

BLACKROCK LARGE CAP SERIES FUNDS, INC.
 BlackRock Large Cap Focus Growth Fund
 (the “Fund”)

Supplement dated August 1, 2019 to the Summary Prospectuses, Prospectuses and Statement of Additional Information of the Fund, each dated October 26, 2018

The Board of Directors of BlackRock Large Cap Series Funds, Inc. (the “Corporation”) has approved an Agreement and Plan of Reorganization (the “Agreement and Plan”) between the Corporation, on behalf of the Fund, and BlackRock Focus Growth Fund, Inc. (the “Acquiring Fund”), pursuant to which the Fund will be reorganized into the Acquiring Fund (the “Reorganization”).

Each of the Fund and the Acquiring Fund is a “feeder” fund that invests all of its assets in a corresponding “master” portfolio as set out in the table below under the heading “Master Portfolios”, which has an investment objective, strategies and policies identical to those of the Fund or Acquiring Fund, as applicable.

Feeder Funds	Master Portfolios
Fund	Master Large Cap Focus Growth Portfolio (the “Master Portfolio”), a series of Master Large Cap Series LLC (the “Master LLC”), a Delaware limited liability company
Acquiring Fund	Master Focus Growth LLC (the “Acquiring Master Portfolio”), a Delaware limited liability company

The Board of Directors of the Master LLC has approved an Agreement and Plan of Reorganization between the Master LLC, on behalf of the Master Portfolio, and the Acquiring Master Portfolio, pursuant to which the Master Portfolio will be reorganized into the Acquiring Master Portfolio (the “Master Reorganization”). The Master Reorganization will occur prior to the Reorganization.

In the Master Reorganization, the Master Portfolio will transfer substantially all of its assets and liabilities to the Acquiring Master Portfolio in exchange for interests of the Acquiring Master Portfolio having equal value to the net assets transferred (the “Acquiring Master Portfolio Interests”). The Acquiring Master Portfolio Interests held by the Master Portfolio will then be exchanged for interests of the Master Portfolio held by the Fund.

In the Reorganization, the Fund will transfer substantially all of its assets to the Acquiring Fund in exchange for the assumption by the Acquiring Fund of certain stated liabilities of the Fund and shares of the Acquiring Fund.

The Agreement and Plan provides that shareholders of the Fund will receive shares, including fractional shares, if any, of the class of shares in the Acquiring Fund as set out in the table below with the same aggregate net asset value as the shares of the Fund held immediately prior to the Reorganization.

<i>If a shareholder owns the following Fund shares:</i>	<i>The shareholder will receive the following Acquiring Fund shares:</i>
Investor A	Investor A
Investor C	Investor C
Institutional	Institutional
Class R	Investor A
Service	Investor A
Class K	Class K

Effective upon the closing of the Reorganization, the Acquiring Fund will change its name from BlackRock Focus Growth Fund, Inc. to BlackRock Large Cap Focus Growth Fund, Inc.

Following the Reorganization and Master Reorganization, each of the Fund and the Master Portfolio will be terminated, dissolved and liquidated as a series of the Corporation or Master LLC, as applicable.

Neither the shareholders of the Fund nor the interestholders of the Master Portfolio are required to approve the Reorganization or the Master Reorganization, as applicable. It is expected that in October 2019 shareholders of the Fund will be sent a Combined Prospectus/Information Statement containing important information about the Acquiring Fund, outlining the differences between the Fund and the Acquiring Fund and containing information about the terms and conditions of the Reorganization.

The Reorganization and the Master Reorganization are expected to occur during the fourth quarter of 2019. Until the Reorganization is completed, the Fund will continue redemptions of its shares as described in its Prospectus.

Shareholders should retain this Supplement for future reference.

ALLPRO-LCFG-0819SUP

BLACKROCK LARGE CAP SERIES FUNDS, INC.
BlackRock Large Cap Focus Growth Fund
(the “Fund”)

Supplement dated May 23, 2019 to the Summary Prospectuses, Prospectuses and Statement of Additional Information (“SAI”) of the Fund, each dated October 26, 2018, as supplemented to date

Effective May 24, 2019, BlackRock (as defined below) has agreed to: (i) lower contractual total operating expense caps for each share class of the Fund; (ii) reduce administration fees for the Fund; and (iii) extend the Fund’s existing contractual fee waivers. To achieve the expense caps, BlackRock has agreed to waive and/or reimburse fees or expenses if the Fund’s annual fund operating expenses, excluding certain expenses described in the prospectus, exceed a certain limit for the Fund’s Investor A, Investor C, Institutional, Class R, Service and Class K Shares. In addition, BlackRock may recoup some of the waivers and reimbursements to the Fund in the following two fiscal years. Accordingly, effective May 24, 2019, the Fund’s Summary Prospectuses, Prospectuses and SAI are amended as follows:

The section of the Investor A, Investor C, Institutional and Class R Shares Summary Prospectus entitled “Key Facts About BlackRock Large Cap Focus Growth Fund—Fees and Expenses of the Fund” and the section of the Investor A, Investor C, Institutional and Class R Shares Prospectus entitled “Fund Overview—Key Facts About BlackRock Large Cap Focus Growth Fund—Fees and Expenses of the Fund” are deleted in their entirety and replaced with the following:

Fees and Expenses of the Fund

This table describes the fees and expenses that you may pay if you buy and hold shares of the Fund. You may qualify for sales charge discounts if you and your family invest, or agree to invest in the future, at least \$25,000 in the fund complex advised by BlackRock Advisors, LLC (“BlackRock”) or its affiliates. More information about these and other discounts is available from your financial professional or your selected securities dealer, broker, investment adviser, service provider or industry professional (including BlackRock and its affiliates) (each a “Financial Intermediary”) and in the “Details About the Share Classes” and the “Intermediary-Defined Sales Charge Waiver Policies” sections on pages 22 and A-1, respectively, of the Fund’s prospectus and in the “Purchase of Shares” section on page II-72 of Part II of the Fund’s Statement of Additional Information.

Shareholder Fees (fees paid directly from your investment)	Investor A Shares	Investor C Shares	Institutional Shares	Class R Shares
Maximum Sales Charge (Load) Imposed on Purchases (as a percentage of offering price)	5.25%	None	None	None
Maximum Deferred Sales Charge (Load) (as a percentage of offering price or redemption proceeds, whichever is lower)	None ¹	1.00% ²	None	None
Annual Fund Operating Expenses (expenses that you pay each year as a percentage of the value of your investment)³	Investor A Shares	Investor C Shares	Institutional Shares	Class R Shares
Management Fee ^{3,4}	0.50%	0.50%	0.50%	0.50%
Distribution and/or Service (12b-1) Fees	0.25%	1.00%	None	0.50%
Other Expenses ^{5,6}	0.34%	0.36%	0.31%	0.34%
Administration Fee ⁵	0.12%	0.12%	0.12%	0.12%
Miscellaneous Other Expenses ⁶	0.22%	0.24%	0.19%	0.22%
Total Annual Fund Operating Expenses ⁷	1.09%	1.86%	0.81%	1.34%
Fee Waivers and/or Expense Reimbursements ^{4,8}	(0.17)%	(0.19)%	(0.14)%	(0.17)%
Total Annual Fund Operating Expenses After Fee Waivers and/or Expense Reimbursements ^{4,8}	0.92%	1.67%	0.67%	1.17%

¹ A contingent deferred sales charge (“CDSC”) of 1.00% is assessed on certain redemptions of Investor A Shares made within 18 months after purchase where no initial sales charge was paid at time of purchase as part of an investment of \$1,000,000 or more.

² There is no CDSC on Investor C Shares after one year.

- ³ The fees and expenses shown in the table and the example that follows include both the expenses of the Fund and the Fund's share of the allocated expenses of Master Large Cap Focus Growth Portfolio (the "Master Portfolio"), a series of Master Large Cap Series LLC (the "Master LLC"). Management Fees are paid by the Master Portfolio.
- ⁴ As described in the "Management of the Fund" section of the Fund's prospectus beginning on page 37, BlackRock has contractually agreed to waive the management fee with respect to any portion of the Master Portfolio's assets estimated to be attributable to investments in other equity and fixed-income mutual funds and exchange-traded funds managed by BlackRock or its affiliates that have a contractual management fee, through October 31, 2020. The contractual agreement may be terminated upon 90 days' notice by a majority of the non-interested directors of the Master LLC or by a vote of a majority of the outstanding voting securities of the Master Portfolio.
- ⁵ The Administration Fee has been restated to reflect current fees.
- ⁶ Miscellaneous Other Expenses have been restated to reflect current fees.
- ⁷ Total Annual Fund Operating Expenses do not correlate to the ratios of expense to average net assets given in the Fund's most recent annual report, which do not include the restatement of the Administration Fee or Miscellaneous Other Expenses to reflect current fees.
- ⁸ As described in the "Management of the Fund" section of the Fund's prospectus beginning on page 37, BlackRock has contractually agreed to waive and/or reimburse fees or expenses in order to limit Total Annual Fund Operating Expenses After Fee Waivers and/or Expense Reimbursements (excluding Dividend Expense, Interest Expense, Acquired Fund Fees and Expenses and certain other Fund expenses) as a percentage of average daily net assets to 0.92% (for Investor A Shares), 1.67% (for Investor C Shares), 0.67% (for Institutional Shares) and 1.17% (for Class R Shares) through October 31, 2020. The contractual agreement may be terminated upon 90 days' notice by a majority of the non-interested directors of the Corporation or by a vote of a majority of the outstanding voting securities of the Fund.

Example:

This Example is intended to help you compare the cost of investing in the Fund with the cost of investing in other mutual funds. The Example assumes that you invest \$10,000 in the Fund for the time periods indicated and then redeem all of your shares at the end of those periods. The Example also assumes that your investment has a 5% return each year and that the Fund's operating expenses remain the same. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

	1 Year	3 Years	5 Years	10 Years
Investor A Shares	\$614	\$837	\$1,079	\$1,769
Investor C Shares	\$270	\$566	\$ 988	\$2,164
Institutional Shares	\$ 68	\$245	\$ 436	\$ 989
Class R Shares	\$119	\$408	\$ 718	\$1,598

You would pay the following expenses if you did not redeem your shares:

	1 Year	3 Years	5 Years	10 Years
Investor C Shares	\$170	\$566	\$988	\$2,164

Portfolio Turnover:

The Master Portfolio pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs and may result in higher taxes when shares are held in a taxable account. These costs, which are not reflected in annual fund operating expenses or in the Example, affect the Master Portfolio's performance. During the most recent fiscal year, the Master Portfolio's portfolio turnover rate was 49% of the average value of its portfolio.

The fourth paragraph of the section of the Investor A, Investor C, Institutional and Class R Shares Prospectus of the Fund entitled "Management of the Fund—BlackRock" is deleted in its entirety and replaced with the following:

BlackRock has contractually agreed to waive the management fee with respect to any portion of the Master Portfolio's assets estimated to be attributable to investments in other equity and fixed-income mutual funds and

exchange-traded funds managed by BlackRock or its affiliates that have a contractual management fee, through October 31, 2020. The contractual agreement may be terminated upon 90 days' notice by a majority of the non-interested directors of the Master LLC or by a vote of a majority of the outstanding voting securities of the Master Portfolio.

The first paragraph of the section of the Investor A, Investor C, Institutional and Class R Shares Prospectus of the Fund entitled “Management of the Fund—BlackRock—Administrator” is deleted in its entirety and replaced with the following:

BlackRock also acts as the administrator (in such capacity, the “Administrator”) to the Fund. The Fund pays the Administrator an administration fee at the annual rate of 0.12% of the average daily net assets of the Fund. Prior to May 24, 2019, the Administrator was eligible to receive from the Fund an administration fee at the annual rate of 0.25% of the average daily net assets of the Fund.

The third paragraph of the section of the Investor A, Investor C, Institutional and Class R Shares Prospectus of the Fund entitled “Management of the Fund—BlackRock—Administrator” is deleted in its entirety and replaced with the following:

With respect to the Fund, the Administrator has agreed contractually to waive and/or reimburse fees or expenses in order to limit Total Annual Fund Operating Expenses to the amounts noted in the table below.

	Contractual Caps¹ on Total Annual Fund Operating Expenses² (excluding Dividend Expense, Interest Expense, Acquired Fund Fees and Expenses and certain other Fund expenses)
Investor A Shares	0.92%
Investor C Shares	1.67%
Institutional Shares	0.67%
Class R Shares	1.17%

¹ The contractual caps are in effect through October 31, 2020. The contractual agreement may be terminated upon 90 days' notice by a majority of the non-interested directors of the Corporation or by a vote of a majority of the outstanding voting securities of the Fund.

² As a percentage of average daily net assets.

The section of the Service Shares Summary Prospectus entitled “Key Facts About BlackRock Large Cap Focus Growth Fund—Fees and Expenses of the Fund” and the section of the Service Shares Prospectus entitled “Fund Overview—Key Facts About BlackRock Large Cap Focus Growth Fund—Fees and Expenses of the Fund” are deleted in their entirety and replaced with the following:

Fees and Expenses of the Fund

This table describes the fees and expenses that you may pay if you buy and hold Service Shares of the Fund.

Annual Fund Operating Expenses (expenses that you pay each year as a percentage of the value of your investment)¹	Service Shares
Management Fee ^{1,2}	0.50%
Distribution and/or Service (12b-1) Fees	0.25%
Other Expenses ^{3,4}	0.35%
Administration Fee ³	0.12%
Miscellaneous Other Expenses ⁴	0.23%
Total Annual Fund Operating Expenses⁵	1.10%
Fee Waivers and/or Expense Reimbursements^{2,6}	(0.18)%
Total Annual Fund Operating Expenses After Fee Waivers and/or Expense Reimbursements^{2,6}	0.92%

¹ The fees and expenses shown in the table and the example that follows include both the expenses of the Fund and the Fund’s share of the allocated expenses of Master Large Cap Focus Growth Portfolio (the “Master Portfolio”), a series of Master Large Cap Series LLC (the “Master LLC”). Management Fees are paid by the Master Portfolio.

² As described in the “Management of the Fund” section of the Fund’s prospectus beginning on page 25, BlackRock Advisors, LLC (“BlackRock”) has contractually agreed to waive the management fee with respect to any portion of the Master Portfolio’s assets estimated to be attributable to investments in other equity and fixed-income mutual funds and exchange-traded funds managed by BlackRock or its affiliates that have a contractual management fee, through October 31, 2020. The contractual agreement may be terminated upon 90 days’ notice by a majority of the non-interested directors of the Master LLC or by a vote of a majority of the outstanding voting securities of the Master Portfolio.

³ The Administration Fee has been restated to reflect current fees.

⁴ Miscellaneous Other Expenses have been restated to reflect current fees.

⁵ Total Annual Fund Operating Expenses do not correlate to the ratios of expenses to average net assets given in the Fund’s most recent annual report, which do not include the restatement of the Administration Fee or Miscellaneous Other Expenses to reflect current fees.

⁶ As described in the “Management of the Fund” section of the Fund’s prospectus beginning on page 25, BlackRock has contractually agreed to waive and/or reimburse fees or expenses in order to limit Total Annual Fund Operating Expenses After Fee Waivers and/or Expense Reimbursements (excluding Dividend Expense, Interest Expense, Acquired Fund Fees and Expenses and certain other Fund expenses) to 0.92% of average daily net assets through October 31, 2020. The contractual agreement may be terminated upon 90 days’ notice by a majority of the non-interested directors of the Corporation or by a vote of a majority of the outstanding voting securities of the Fund.

Example:

This Example is intended to help you compare the cost of investing in the Fund with the cost of investing in other mutual funds. The Example assumes that you invest \$10,000 in the Fund for the time periods indicated and then redeem all of your shares at the end of those periods. The Example also assumes that your investment has a 5% return each year and that the Fund’s operating expenses remain the same. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

	1 Year	3 Years	5 Years	10 Years
Service Shares	\$94	\$332	\$589	\$1,324

Portfolio Turnover:

The Master Portfolio pays transaction costs, such as commissions, when it buys and sells securities (or “turns over” its portfolio). A higher portfolio turnover rate may indicate higher transaction costs and may result in higher taxes when shares are held in a taxable account. These costs, which are not reflected in annual fund operating expenses or in the Example, affect the Master Portfolio’s performance. During the most recent fiscal year, the Master Portfolio’s portfolio turnover rate was 49% of the average value of its portfolio.

The fourth paragraph of the section of the Service Shares Prospectus of the Fund entitled “Management of the Fund—BlackRock” is deleted in its entirety and replaced with the following:

BlackRock has contractually agreed to waive the management fee with respect to any portion of the Master Portfolio’s assets estimated to be attributable to investments in other equity and fixed-income mutual funds and exchange-traded funds managed by BlackRock or its affiliates that have a contractual management fee, through October 31, 2020. The contractual agreement may be terminated upon 90 days’ notice by a majority of the non-interested directors of the Master LLC or by a vote of a majority of the outstanding voting securities of the Master Portfolio.

The first paragraph of the section of the Service Shares Prospectus of the Fund entitled “Management of the Fund—BlackRock—Administrator” is deleted in its entirety and replaced with the following:

BlackRock also acts as the administrator (in such capacity, the “Administrator”) to the Fund. The Fund pays the Administrator an administration fee at the annual rate of 0.12% of the average daily net assets of the Fund. Prior to May 24, 2019, the Administrator was eligible to receive from the Fund an administration fee at the annual rate of 0.25% of the average daily net assets of the Fund.

The third paragraph of the section of the Service Shares Prospectus of the Fund entitled “Management of the Fund—BlackRock—Administrator” is deleted in its entirety and replaced with the following:

With respect to the Fund, the Administrator has agreed contractually to waive and/or reimburse fees or expenses in order to limit Total Annual Fund Operating Expenses to the amount noted in the table below.

	Contractual Cap¹ on Total Annual Fund Operating Expenses² (excluding Dividend Expense, Interest Expense, Acquired Fund Fees and Expenses and certain other Fund expenses)
Service Shares	0.92%

¹ The contractual cap is in effect through October 31, 2020. The contractual agreement may be terminated upon 90 days’ notice by a majority of the non-interested directors of the Corporation or by a vote of a majority of the outstanding voting securities of the Fund.

² As a percentage of average daily net assets.

The section of the Class K Shares Summary Prospectus entitled “Key Facts About BlackRock Large Cap Focus Growth Fund—Fees and Expenses of the Fund” and the section of the Class K Shares Prospectus entitled “Fund Overview—Key Facts About BlackRock Large Cap Focus Growth Fund—Fees and Expenses of the Fund” are deleted in their entirety and replaced with the following:

Fees and Expenses of the Fund

This table describes the fees and expenses that you may pay if you buy and hold Class K Shares of the Fund.

Annual Fund Operating Expenses (expenses that you pay each year as a percentage of the value of your investment)¹	Class K Shares
Management Fee ^{1,2}	0.50%
Distribution and/or Service (12b-1) Fees	None
Other Expenses ^{3,4}	0.18%
Administration Fee ³	0.12%
Miscellaneous Other Expenses ⁴	0.06%
Total Annual Fund Operating Expenses ⁵	0.68%
Fee Waivers and/or Expense Reimbursements ^{2,6}	(0.06)%
Total Annual Fund Operating Expenses After Fee Waivers and/or Expense Reimbursements ^{2,6}	0.62%

- ¹ The fees and expenses shown in the table and the example that follows include both the expenses of the Fund and the Fund’s share of the allocated expenses of Master Large Cap Focus Growth Portfolio (the “Master Portfolio”), a series of Master Large Cap Series LLC (the “Master LLC”). Management Fees are paid by the Master Portfolio.
- ² As described in the “Management of the Fund” section of the Fund’s prospectus beginning on page 26, BlackRock Advisors, LLC (“BlackRock”) has contractually agreed to waive the management fee with respect to any portion of the Master Portfolio’s assets estimated to be attributable to investments in other equity and fixed-income mutual funds and exchange-traded funds managed by BlackRock or its affiliates that have a contractual management fee, through October 31, 2020. The contractual agreement may be terminated upon 90 days’ notice by a majority of the non-interested directors of the Master LLC or by a vote of a majority of the outstanding voting securities of the Master Portfolio.
- ³ The Administration Fee has been restated to reflect current fees.
- ⁴ Miscellaneous Other Expenses are based on estimated amounts for the current year.
- ⁵ Total Annual Fund Operating Expenses do not correlate to the ratio of expenses to average net assets given in the Fund’s most recent annual report, which does not include the restatement of the Administration Fee to reflect current fees.
- ⁶ As described in the “Management of the Fund” section of the Fund’s prospectus beginning on page 26, BlackRock has contractually agreed to waive and/or reimburse fees or expenses in order to limit Total Annual Fund Operating Expenses After Fee Waivers and/or Expense Reimbursements (excluding Dividend Expense, Interest Expense, Acquired Fund Fees and Expenses and certain other Fund expenses) to 0.62% of average daily net assets through October 31, 2020. The contractual agreement may be terminated upon 90 days’ notice by a majority of the non-interested directors of the Corporation or by a vote of a majority of the outstanding voting securities of the Fund.

Example:

This Example is intended to help you compare the cost of investing in the Fund with the cost of investing in other mutual funds. The Example assumes that you invest \$10,000 in the Fund for the time periods indicated and then redeem all of your shares at the end of those periods. The Example also assumes that your investment has a 5% return each year and that the Fund’s operating expenses remain the same. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

	1 Year	3 Years	5 Years	10 Years
Class K Shares	\$63	\$212	\$373	\$841

Portfolio Turnover:

The Master Portfolio pays transaction costs, such as commissions, when it buys and sells securities (or “turns over” its portfolio). A higher portfolio turnover rate may indicate higher transaction costs and may result in higher taxes when shares are held in a taxable account. These costs, which are not reflected in annual fund operating expenses or in the Example, affect the Master Portfolio’s performance. During the most recent fiscal year, the Master Portfolio’s portfolio turnover rate was 49% of the average value of its portfolio.

The fourth paragraph of the section of the Class K Shares Prospectus of the Fund entitled “Management of the Fund—BlackRock” is deleted in its entirety and replaced with the following:

BlackRock has contractually agreed to waive the management fee with respect to any portion of the Master Portfolio’s assets estimated to be attributable to investments in other equity and fixed-income mutual funds and exchange-traded funds managed by BlackRock or its affiliates that have a contractual management fee, through October 31, 2020. The contractual agreement may be terminated upon 90 days’ notice by a majority of the non-interested directors of the Master LLC or by a vote of a majority of the outstanding voting securities of the Master Portfolio.

The first paragraph of the section of the Class K Shares Prospectus of the Fund entitled “Management of the Fund—BlackRock—Administrator” is deleted in its entirety and replaced with the following:

BlackRock also acts as the administrator (in such capacity, the “Administrator”) to the Fund. The Fund pays the Administrator an administration fee at the annual rate of 0.12% of the average daily net assets of the Fund. Prior to May 24, 2019, the Administrator was eligible to receive from the Fund an administration fee at the annual rate of 0.25% of the average daily net assets of the Fund.

The third paragraph of the section of the Class K Shares Prospectus of the Fund entitled “Management of the Fund—BlackRock—Administrator” is deleted in its entirety and replaced with the following:

With respect to the Fund, the Administrator has agreed contractually to waive and/or reimburse fees or expenses in order to limit Total Annual Fund Operating Expenses to the amount noted in the table below.

	Contractual Cap¹ on Total Annual Fund Operating Expenses² (excluding Dividend Expense, Interest Expense, Acquired Fund Fees and Expenses and certain other Fund expenses)
Service Shares	0.62%

¹ The contractual cap is in effect through October 31, 2020. The contractual agreement may be terminated upon 90 days’ notice by a majority of the non-interested directors of the Corporation or by a vote of a majority of the outstanding voting securities of the Fund.

² As a percentage of average daily net assets.

The third paragraph in the section of the SAI entitled “Management, Advisory and Other Service Arrangements—Management Agreement” is deleted in its entirety and replaced with the following:

BlackRock has contractually agreed to waive the management fee with respect to any portion of the Master Portfolio’s assets estimated to be attributable to investments in other equity and fixed-income mutual funds and exchange-traded funds managed by BlackRock or its affiliates that have a contractual management fee, through October 31, 2020. The contractual agreement may be terminated upon 90 days’ notice by a majority of the non-interested directors of the Master LLC or by a vote of a majority of the outstanding voting securities of the Master Portfolio.

The first paragraph in the section of the SAI entitled “Management, Advisory and Other Service Arrangements—Administration Arrangements” is deleted in its entirety and replaced with the following:

The Corporation, on behalf of itself and the Fund, has entered into an administration agreement (the “Administration Agreement”) with BlackRock as administrator (in such capacity, the “Administrator”). The

Administrator has agreed to maintain office facilities for the Fund; furnish the Fund with clerical, bookkeeping and administrative services; oversee the determination and publication of net asset value for the Fund; oversee the preparation and filing of Federal, state and local income tax returns; prepare certain reports required by regulatory authorities; calculate various contractual expenses; determine the amount of dividends and distributions available for payment by the Fund to its shareholders; prepare and arrange for the printing of dividend notices to shareholders; provide the service providers for the Fund with such information as is required to effect the payment of dividends and distributions; and serve as liaison with the Corporation's officers, independent accountants, legal counsel, custodian, accounting agent and transfer and dividend disbursing agent in establishing the accounting policies of the Fund and monitoring financial and shareholder accounting services. The Administrator receives for its services to the Corporation with respect to the Fund monthly compensation at the annual rate of 0.12% of the average daily net assets of the Fund. Prior to May 24, 2019, the Administrator received for its services to the Corporation with respect to the Fund monthly compensation at the annual rate of 0.25% of the average daily net assets of the Fund.

Shareholders should retain this Supplement for future reference.

PR2SAI-LCFG-0519SUP

SUMMARY PROSPECTUS

BLACKROCK®

BlackRock Large Cap Series Funds, Inc. | Service Shares

▶ BlackRock Large Cap Focus Growth Fund

Service: MSLHX

Before you invest, you may want to review the Fund's prospectus, which contains more information about the Fund and its risks. You can find the Fund's prospectus (including amendments and supplements) and other information about the Fund, including the Fund's statement of additional information and shareholder report, online at <http://www.blackrock.com/prospectus>. You can also get this information at no cost by calling (800) 537-4942 or by sending an e-mail request to prospectus.request@blackrock.com, or from your financial professional. The Fund's prospectus and statement of additional information, both dated October 26, 2018, as amended and supplemented from time to time, are incorporated by reference into (legally made a part of) this Summary Prospectus.

This Summary Prospectus contains information you should know before investing, including information about risks. Please read it before you invest and keep it for future reference.

The Securities and Exchange Commission has not approved or disapproved these securities or passed upon the adequacy of this Summary Prospectus. Any representation to the contrary is a criminal offense.

Not FDIC Insured • May Lose Value • No Bank Guarantee

Summary Prospectus

Key Facts About BlackRock Large Cap Focus Growth Fund

Investment Objective

The investment objective of BlackRock Large Cap Focus Growth Fund (the “Fund”), a series of BlackRock Large Cap Series Funds, Inc. (the “Corporation”), is to seek long-term capital growth. In other words, the Fund tries to choose investments that will increase in value.

Fees and Expenses of the Fund

This table describes the fees and expenses that you may pay if you buy and hold Service Shares of the Fund.

Annual Fund Operating Expenses (expenses that you pay each year as a percentage of the value of your investment)¹	Service Shares
Management Fee ^{1,2}	0.50%
Distribution and/or Service (12b-1) Fees	0.25%
Other Expenses ³	0.48%
Administration Fee	0.25%
Miscellaneous Other Expenses ³	0.23%
Total Annual Fund Operating Expenses ⁴	1.23%
Fee Waivers and/or Expense Reimbursements ^{2,5}	(0.10)%
Total Annual Fund Operating Expenses After Fee Waivers and/or Expense Reimbursements ^{2,5}	1.13%

- ¹ The fees and expenses shown in the table and the example that follows include both the expenses of the Fund and the Fund’s share of the allocated expenses of Master Large Cap Focus Growth Portfolio (the “Master Portfolio”), a series of Master Large Cap Series LLC (the “Master LLC”). Management Fees are paid by the Master Portfolio.
- ² As described in the “Management of the Fund” section of the Fund’s prospectus beginning on page 25, BlackRock Advisors, LLC (“BlackRock”) has contractually agreed to waive the management fee with respect to any portion of the Master Portfolio’s assets estimated to be attributable to investments in other equity and fixed-income mutual funds and exchange-traded funds managed by BlackRock or its affiliates that have a contractual management fee, through October 31, 2019. The contractual agreement may be terminated upon 90 days’ notice by a majority of the non-interested directors of the Master LLC or by a vote of a majority of the outstanding voting securities of the Master Portfolio.
- ³ Miscellaneous Other Expenses have been restated to reflect current fees.
- ⁴ The Total Annual Fund Operating Expenses do not correlate to the ratios of expenses to average net assets given in the Fund’s most recent annual report, which do not include the restatement of Miscellaneous Other Expenses to reflect current fees.
- ⁵ As described in the “Management of the Fund” section of the Fund’s prospectus beginning on page 25, BlackRock has contractually agreed to waive and/or reimburse fees or expenses in order to limit Total Annual Fund Operating Expenses After Fee Waivers and/or Expense Reimbursements (excluding Dividend Expense, Interest Expense, Acquired Fund Fees and Expenses and certain other Fund expenses) to 1.13% of average daily net assets through October 31, 2019. The contractual agreement may be terminated upon 90 days’ notice by a majority of the non-interested directors of the Corporation or by a vote of a majority of the outstanding voting securities of the Fund.

Example:

This Example is intended to help you compare the cost of investing in the Fund with the cost of investing in other mutual funds. The Example assumes that you invest \$10,000 in the Fund for the time periods indicated and then redeem all of your shares at the end of those periods. The Example also assumes that your investment has a 5% return each year and that the Fund’s operating expenses remain the same. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

	1 Year	3 Years	5 Years	10 Years
Service Shares	\$115	\$380	\$666	\$1,480

Portfolio Turnover:

The Master Portfolio pays transaction costs, such as commissions, when it buys and sells securities (or “turns over” its portfolio). A higher portfolio turnover rate may indicate higher transaction costs and may result in higher taxes when shares are held in a taxable account. These costs, which are not reflected in annual fund operating expenses or in the Example, affect the Master Portfolio’s performance. During the most recent fiscal year, the Master Portfolio’s portfolio turnover rate was 49% of the average value of its portfolio.

Principal Investment Strategies of the Fund

Under normal circumstances, the Fund seeks to invest at least 80% of its net assets plus the amount of any borrowings for investment purposes in large cap equity securities and derivatives that have similar economic characteristics to such securities. For purposes of the Fund's 80% policy, large cap equity securities are equity securities that at the time of purchase have a market capitalization within the range of companies included in the Russell 1000® Growth Index (the "Russell 1000 Growth Index"). The Fund primarily intends to invest in equity securities, which include common stock, preferred stock and convertible securities, or other financial instruments that are components of, or have characteristics similar to, the securities included in the Russell 1000 Growth Index. The Russell 1000 Growth Index is a capitalization-weighted index from a broad range of industries chosen for market size, liquidity and industry group representation.

The Fund is a growth fund that invests primarily in common stock. The Fund may invest without limitation in the securities of foreign companies in the form of American Depositary Receipts ("ADRs").

In addition to ADRs, the Fund may also invest up to 20% of its total assets in other forms of securities of foreign companies, including European Depositary Receipts, which are receipts typically issued in Europe evidencing an ownership arrangement with the foreign company or other securities of foreign companies.

The Fund may seek to provide exposure to the investment returns of real assets that trade in the commodity markets through investment in commodity-linked derivative instruments and investment vehicles such as exchange-traded funds that invest exclusively in commodities and are designed to provide this exposure without direct investment in physical commodities.

The Fund may engage in active and frequent trading of portfolio securities to achieve its primary investment strategies.

Principal Risks of Investing in the Fund

Risk is inherent in all investing. The value of your investment in the Fund, as well as the amount of return you receive on your investment, may fluctuate significantly from day to day and over time. You may lose part or all of your investment in the Fund or your investment may not perform as well as other similar investments. The following is a summary description of the principal risks of investing in the Fund.

- **Commodities Related Investments Risk** — Exposure to the commodities markets may subject the Fund to greater volatility than investments in traditional securities. The value of commodity-linked derivative investments may be affected by changes in overall market movements, commodity index volatility, changes in interest rates, or factors affecting a particular industry or commodity, such as drought, floods, weather, embargoes, tariffs and international economic, political and regulatory developments.
- **Convertible Securities Risk** — The market value of a convertible security performs like that of a regular debt security; that is, if market interest rates rise, the value of a convertible security usually falls. In addition, convertible securities are subject to the risk that the issuer will not be able to pay interest or dividends when due, and their market value may change based on changes in the issuer's credit rating or the market's perception of the issuer's creditworthiness. Since it derives a portion of its value from the common stock into which it may be converted, a convertible security is also subject to the same types of market and issuer risks that apply to the underlying common stock.
- **Depositary Receipts Risk** — Depositary receipts are generally subject to the same risks as the foreign securities that they evidence or into which they may be converted. In addition to investment risks associated with the underlying issuer, depositary receipts expose the Fund to additional risks associated with the non-uniform terms that apply to depositary receipt programs, credit exposure to the depositary bank and to the sponsors and other parties with whom the depositary bank establishes the programs, currency risk and liquidity risk. The issuers of unsponsored depositary receipts are not obligated to disclose information that is, in the United States, considered material. Therefore, there may be less information available regarding these issuers and there may not be a correlation between such information and the market value of the depositary receipts.
- **Derivatives Risk** — The Fund's use of derivatives may increase its costs, reduce the Fund's returns and/or increase volatility. Derivatives involve significant risks, including:
 - Volatility Risk* — Volatility is defined as the characteristic of a security, an index or a market to fluctuate significantly in price within a short time period. A risk of the Fund's use of derivatives is that the fluctuations in their values may not correlate with the overall securities markets.
 - Counterparty Risk* — Derivatives are also subject to counterparty risk, which is the risk that the other party in the transaction will not fulfill its contractual obligation.
 - Market and Liquidity Risk* — The possible lack of a liquid secondary market for derivatives and the resulting inability of the Fund to sell or otherwise close a derivatives position could expose the Fund to losses and could make derivatives more difficult for the Fund to value accurately.

Valuation Risk — Valuation may be more difficult in times of market turmoil since many investors and market makers may be reluctant to purchase complex instruments or quote prices for them.

Hedging Risk — Hedges are sometimes subject to imperfect matching between the derivative and the underlying security, and there can be no assurance that the Fund's hedging transactions will be effective. The use of hedging may result in certain adverse tax consequences.

Tax Risk — Certain aspects of the tax treatment of derivative instruments, including swap agreements and commodity-linked derivative instruments, are currently unclear and may be affected by changes in legislation, regulations or other legally binding authority. Such treatment may be less favorable than that given to a direct investment in an underlying asset and may adversely affect the timing, character and amount of income the Fund realizes from its investments.

Regulatory Risk — Derivative contracts, including, without limitation, swaps, currency forwards and non-deliverable forwards, are subject to regulation under the Dodd-Frank Wall Street Reform and Consumer Protection Act (the "Dodd-Frank Act") in the United States and under comparable regimes in Europe, Asia and other non-U.S. jurisdictions. Under the Dodd-Frank Act, certain derivatives are subject to margin requirements and swap dealers are required to collect margin from the Fund with respect to such derivatives. Specifically, regulations are now in effect that require swap dealers to post and collect variation margin (comprised of specified liquid instruments and subject to a required haircut) in connection with trading of over-the-counter ("OTC") swaps with the Fund. Shares of investment companies (other than certain money market funds) may not be posted as collateral under these regulations. Requirements for posting of initial margin in connection with OTC swaps will be phased-in through 2020. In addition, regulations adopted by prudential regulators that will begin to take effect in 2019 will require certain bank-regulated counterparties and certain of their affiliates to include in certain financial contracts, including many derivatives contracts, terms that delay or restrict the rights of counterparties, such as the Fund, to terminate such contracts, foreclose upon collateral, exercise other default rights or restrict transfers of credit support in the event that the counterparty and/or its affiliates are subject to certain types of resolution or insolvency proceedings. The implementation of these requirements with respect to derivatives, as well as regulations under the Dodd-Frank Act regarding clearing, mandatory trading and margining of other derivatives, may increase the costs and risks to the Fund of trading in these instruments and, as a result, may affect returns to investors in the Fund.

- **Equity Securities Risk** — Stock markets are volatile. The price of equity securities fluctuates based on changes in a company's financial condition and overall market and economic conditions.
- **Focus Risk** — Under normal circumstances, the Fund focuses its investments in the securities of a limited number of issuers. This may subject the Fund to greater issuer-specific risk and potential losses than a fund that invests in the securities of a greater number of issuers.
- **Foreign Securities Risk** — Foreign investments often involve special risks not present in U.S. investments that can increase the chances that the Fund will lose money. These risks include:
 - The Fund generally holds its foreign securities and cash in foreign banks and securities depositories, which may be recently organized or new to the foreign custody business and may be subject to only limited or no regulatory oversight.
 - Changes in foreign currency exchange rates can affect the value of the Fund's portfolio.
 - The economies of certain foreign markets may not compare favorably with the economy of the United States with respect to such issues as growth of gross national product, reinvestment of capital, resources and balance of payments position.
 - The governments of certain countries may prohibit or impose substantial restrictions on foreign investments in their capital markets or in certain industries.
 - Many foreign governments do not supervise and regulate stock exchanges, brokers and the sale of securities to the same extent as does the United States and may not have laws to protect investors that are comparable to U.S. securities laws.
 - Settlement and clearance procedures in certain foreign markets may result in delays in payment for or delivery of securities not typically associated with settlement and clearance of U.S. investments.
 - The European financial markets have recently experienced volatility and adverse trends due to concerns about economic downturns in, or rising government debt levels of, several European countries. These events may spread to other countries in Europe. These events may affect the value and liquidity of certain of the Fund's investments.
- **High Portfolio Turnover Risk** — The Fund may engage in active and frequent trading of its portfolio securities. High portfolio turnover (more than 100%) may result in increased transaction costs to the Fund, including brokerage commissions, dealer mark-ups and other transaction costs on the sale of the securities and on reinvestment in other securities. The sale of Fund portfolio securities may result in the realization and/or distribution to

shareholders of higher capital gains or losses as compared to a fund with less active trading policies. These effects of higher than normal portfolio turnover may adversely affect Fund performance.

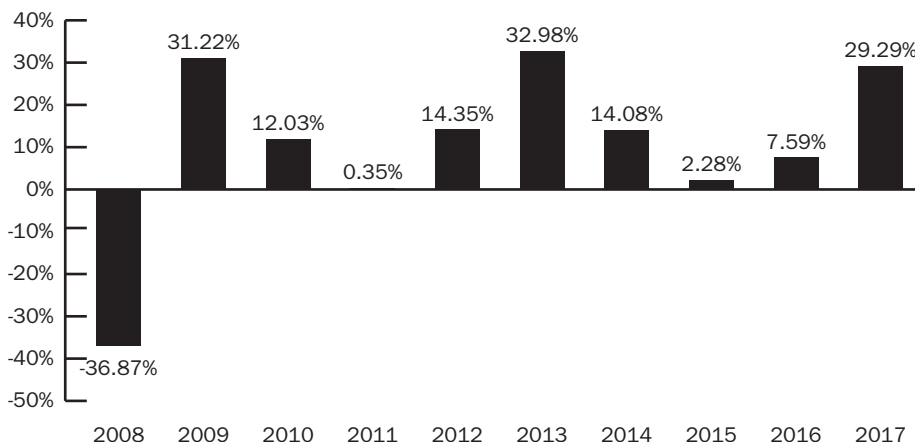
- **Investment Style Risk** — Under certain market conditions, growth investments have performed better during the later stages of economic expansion. Therefore, this investment style may over time go in and out of favor. At times when the investment style used by the Fund is out of favor, the Fund may underperform other equity funds that use different investment styles.
- **Leverage Risk** — Some transactions may give rise to a form of economic leverage. These transactions may include, among others, derivatives, and may expose the Fund to greater risk and increase its costs. The use of leverage may cause the Fund to liquidate portfolio positions when it may not be advantageous to do so to satisfy its obligations or to meet any required asset segregation requirements. Increases and decreases in the value of the Fund's portfolio will be magnified when the Fund uses leverage.
- **Market Risk and Selection Risk** — Market risk is the risk that one or more markets in which the Fund invests will go down in value, including the possibility that the markets will go down sharply and unpredictably. Selection risk is the risk that the securities selected by Fund management will underperform the markets, the relevant indices or the securities selected by other funds with similar investment objectives and investment strategies. This means you may lose money.
- **"New Issues" Risk** — "New issues" are initial public offerings ("IPOs") of equity securities. Securities issued in IPOs have no trading history, and information about the companies may be available for very limited periods. In addition, the prices of securities sold in IPOs may be highly volatile or may decline shortly after the IPO.
- **Preferred Securities Risk** — Preferred securities may pay fixed or adjustable rates of return. Preferred securities are subject to issuer-specific and market risks applicable generally to equity securities. In addition, a company's preferred securities generally pay dividends only after the company makes required payments to holders of its bonds and other debt. For this reason, the value of preferred securities will usually react more strongly than bonds and other debt to actual or perceived changes in the company's financial condition or prospects. Preferred securities of smaller companies may be more vulnerable to adverse developments than preferred stock of larger companies.

Performance Information

Effective June 12, 2017, the Fund changed its name, investment process and investment strategies. Performance for the periods prior to June 12, 2017 shown below is based on the investment process and investment strategies utilized by the Fund prior to June 12, 2017 under the name “BlackRock Large Cap Growth Fund.”

The information shows you how the Fund’s performance has varied year by year and provides some indication of the risks of investing in the Fund. The table compares the Fund’s performance to that of the Russell 1000® Growth Index. To the extent that dividends and distributions have been paid by the Fund, the performance information for the Fund in the chart and table assumes reinvestment of the dividends and distributions. As with all such investments, past performance (before and after taxes) is not an indication of future results. The table includes all applicable fees. If BlackRock and its affiliates had not waived or reimbursed certain Fund expenses during these periods, the Fund’s returns would have been lower. Updated information on the Fund’s performance, including its current net asset value, can be obtained by visiting <http://www.blackrock.com> or can be obtained by phone at (800) 882-0052.

Service Shares ANNUAL TOTAL RETURNS¹ BlackRock Large Cap Focus Growth Fund As of 12/31



During the ten-year period shown in the bar chart, the highest return for a quarter was 16.21% (quarter ended March 31, 2012) and the lowest return for a quarter was -19.32% (quarter ended September 30, 2011). The year-to-date return as of September 30, 2018 was 22.18%.

As of 12/31/17

Average Annual Total Returns

	1 Year	5 Years	10 Years ¹
BlackRock Large Cap Focus Growth Fund — Service Shares			
Return Before Taxes	29.29%	16.63%	8.68%
Return After Taxes on Distributions	21.70%	13.65%	7.07%
Return After Taxes on Distributions and Sale of Shares	20.57%	12.78%	6.69%
Russell 1000® Growth Index (Reflects no deduction for fees, expenses or taxes)	30.21%	17.33%	10.00%

¹ A portion of the Fund’s total return was attributable to proceeds received in the fiscal period ended September 30, 2009 in a settlement of litigation.

After-tax returns are calculated using the historical highest individual federal marginal income tax rates and do not reflect the impact of state and local taxes. Actual after-tax returns depend on the investor’s tax situation and may differ from those shown, and the after-tax returns shown are not relevant to investors who hold their shares through tax-deferred arrangements such as 401(k) plans or individual retirement accounts.

Investment Manager

The Fund’s investment manager is BlackRock Advisors, LLC (previously defined as “BlackRock”).

Portfolio Manager

Name	Portfolio Manager of the Fund Since	Title
Lawrence Kemp, CFA	2017	Managing Director of BlackRock, Inc.

Purchase and Sale of Fund Shares

You may purchase or redeem shares of the Fund each day the New York Stock Exchange is open. To purchase or sell shares, you should contact your financial professional or your selected securities dealer, broker, investment adviser, service provider or industry professional (including BlackRock, The PNC Financial Services Group, Inc. and their respective affiliates) (each a "Financial Intermediary"), or, if you hold your shares through the Fund, you should contact the Fund by phone at (800) 537-4942, by mail (c/o BlackRock Funds, P.O. Box 9819, Providence, Rhode Island 02940-8019), or by the Internet at www.blackrock.com. The Fund's initial and subsequent investment minimums for Service Shares generally are as follows, although the Fund may reduce or waive the minimums in some cases:

	Service Shares
Minimum Initial Investment	\$5,000.
Minimum Additional Investment	No subsequent minimum.

Tax Information

The Fund's dividends and distributions may be subject to U.S. federal income taxes and may be taxed as ordinary income or capital gains, unless you are a tax-exempt investor or are investing through a qualified tax-exempt plan described in section 401(a) of the Internal Revenue Code of 1986, as amended, in which case you may be subject to U.S. federal income tax when distributions are received from such tax-deferred arrangements.

Payments to Broker/Dealers and Other Financial Intermediaries

If you purchase shares of the Fund through a Financial Intermediary, the Fund and BlackRock Investments, LLC, the Fund's distributor, or its affiliates may pay the Financial Intermediary for the sale of Fund shares and related services. These payments may create a conflict of interest by influencing the Financial Intermediary and your individual financial professional to recommend the Fund over another investment.

Ask your individual financial professional or visit your Financial Intermediary's website for more information.

INVESTMENT COMPANY ACT FILE # 811-09637

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