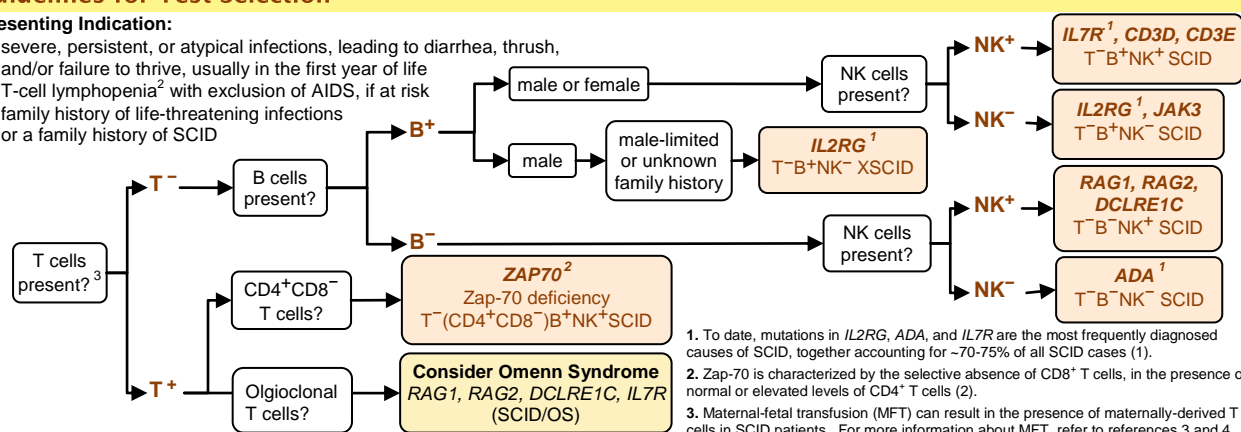


## Ordering Information for Severe Combined Immunodeficiency Syndrome (SCID) Testing

### Guidelines for Test Selection

#### Presenting Indication:

- severe, persistent, or atypical infections, leading to diarrhea, thrush, and/or failure to thrive, usually in the first year of life
- T-cell lymphopenia<sup>2</sup> with exclusion of AIDS, if at risk
- family history of life-threatening infections or a family history of SCID



1. To date, mutations in *IL2RG*, *ADA*, and *IL7R* are the most frequently diagnosed causes of SCID, together accounting for ~70-75% of all SCID cases (1).
2. Zap-70 is characterized by the selective absence of CD8<sup>+</sup> T cells, in the presence of normal or elevated levels of CD4<sup>+</sup> T cells (2).
3. Maternal-fetal transfusion (MFT) can result in the presence of maternally-derived T cells in SCID patients. For more information about MFT, refer to references 3 and 4.

### Ordering Information for Single Gene Tests

Indicated Test (Indication)	CPT Codes	Test Code
<b>IL2RG</b> (T-B+NK- SCID, XSCID)	83891(1) 83892(1) 83898(8) 83904(16) 83909(16) 83912(1)	100401
<b>JAK3</b> (T-B+NK- SCID)	83891(1) 83892(1) 83898(23) 83904(46) 83909(46) 83912(1)	100402
<b>RAG1</b> (T-B-NK+ SCID or SCID/OS)	83891(1) 83892(1) 83898(10) 83904(20) 83909(20) 83912(1)	100403
<b>RAG2</b> (T-B-NK+ SCID or SCID/OS)	83891(1) 83892(1) 83898(8) 83904(16) 83909(16) 83912(1)	100404
<b>DCLRE1C</b> ( <i>ARTEMIS</i> ) [T-B-NK+ SCID (RS-SCID) or SCID/OS]	83891(1) 83892(1) 83898(17) 83904(34) 83909(34) 83912(1)	100410
<b>ADA</b> (T-B-NK-SCID)	83891(1) 83892(1) 83898(11) 83904(22) 83909(22) 83912(1)	100405
<b>IL7R</b> (T-B+NK+ SCID or SCID/OS)	83891(1) 83892(1) 83898(9) 83904(18) 83909(18) 83912(1)	100406
<b>CD3D</b> (T-B+NK+ SCID)	83891(1) 83892(1) 83898(5) 83904(10) 83909(10) 83912(1)	100407
<b>CD3E</b> (T-B+NK+ SCID)	83891(1) 83892(1) 83898(8) 83904(16) 83909(16) 83912(1)	100408
<b>ZAP70</b> [Zap-70 deficiency; T+(CD4+CD8-)B+NK+ SCID]	83891(1) 83892(1) 83898(12) 83904(24) 83909(24) 83912(1)	100409

### Ordering Information for Multi-Gene Panels\*

<b>IL2RG, JAK3</b> (T-B+NK-SCID)	83891(1) 83892(1) 83898(31) 83904(62) 83909(62) 83912(3)	100499
<b>RAG1, RAG2</b> (T-B-NK+ SCID or SCID/OS)	83891(1) 83892(1) 83898(18) 83904(36) 83909(36) 83912(3)	100498
<b>RAG1, RAG2, DCLRE1C</b> (T-B-NK+ SCID or SCID/OS)	83891(1) 83892(1) 83898(35) 83904(70) 83909(70) 83912(4)	100492
<b>IL7R, CD3D, CD3E</b> (T-B+NK+ SCID)	83891(1) 83892(1) 83898(22) 83904(44) 83909(44) 83912(4)	100496
<b>IL2RG, ADA, IL7R</b> (SCID)	83891(1) 83892(1) 83898(28) 83904(56) 83909(56) 83912(4)	100495
<b>IL2RG, JAK3, RAG1, RAG2, DCLRE1C, ADA, IL7R, CD3D, CD3E</b> (SCID)	83891(1) 83892(1) 83898(99) 83904(198) 83909(198) 83912(10)	100493

\*For multi-gene panels, a summary report will be issued in addition to an abbreviated report for each individual gene.

### Family Testing (single amplicon)

(applies to all genes)	83891(1) 83892(1) 83898(1) 83904(2) 83909(2) 83912(1)	use single-gene test code
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### Test Methodology and Sample Requirements

- Amplification by polymerase chain reaction (PCR); sequencing of entire protein-coding region.
- For blood samples:
  - 2mL whole blood in EDTA tube (lavender top)
  - Samples can be stored briefly at 4°C, but should be shipped on day of collection.
- For buccal swab samples:
  - Please contact client services at 1-866-647-0735 for instructions.
- All sample types should be shipped overnight at room temperature.
- To request a sample shipping kit, please call 1-866-647-0735

### Turn-around Times

Turn-around times typically range from 7 to 21 days of receipt of sample and all required forms, but may vary depending on test volume and test-specific technical difficulties. Current TATs are posted on our website. Please schedule patient follow-up appointments for result discussion conservatively at 6 weeks.

For more information, please call 1-866-647-0735 or visit us on the web at [www.correlagen.com](http://www.correlagen.com).