

Dehydroepiandrosterone sulfate (DHEA-S)

Method:	Access Chemiluminescent Immunoassay
Kit Manufacturer:	Beckman Coulter, Fullerton, CA
Description:	The Access DHEA-S assay is a paramagnetic particle, chemiluminescent immunoassay for the quantitative determination of Dehydroepiandrosterone sulfate levels in human serum and plasma using the Access Immunoassay Systems.

Collection and Performance Characteristics

Tube type:	Preferred: SST Alternate: EDTA or Heparin																																																																				
Minimum Volume:	0.5 mL																																																																				
Lowest Reportable Value:	2 ug/dL																																																																				
Dynamic range:	2-1000 ug/dL																																																																				
Precision:	Intra-assay variation is 1.6-8.3% Inter-assay variation is 3.7-11.3%																																																																				
Reference Range:	<table border="1"> <thead> <tr> <th>Age (years)</th> <th>n</th> <th>Median* (µg/dL)</th> <th>95% Reference Interval** (µg/dL)</th> </tr> </thead> <tbody> <tr> <td colspan="4">Females</td> </tr> <tr> <td>18-21</td> <td>10</td> <td>177</td> <td>51-321</td> </tr> <tr> <td>21-30</td> <td>39</td> <td>170</td> <td>18-391</td> </tr> <tr> <td>31-40</td> <td>40</td> <td>141</td> <td>23-266</td> </tr> <tr> <td>41-50</td> <td>42</td> <td>121</td> <td>19-231</td> </tr> <tr> <td>51-60</td> <td>39</td> <td>58</td> <td>8-188</td> </tr> <tr> <td>61-70</td> <td>30</td> <td>61</td> <td>12-133</td> </tr> <tr> <td>> 71</td> <td>33</td> <td>35</td> <td>7-177</td> </tr> <tr> <td colspan="4">Males</td> </tr> <tr> <td>18-21</td> <td>10</td> <td>302</td> <td>24-537</td> </tr> <tr> <td>21-30</td> <td>44</td> <td>238</td> <td>85-690</td> </tr> <tr> <td>31-40</td> <td>45</td> <td>217</td> <td>106-464</td> </tr> <tr> <td>41-50</td> <td>43</td> <td>193</td> <td>70-495</td> </tr> <tr> <td>51-60</td> <td>36</td> <td>119</td> <td>38-313</td> </tr> <tr> <td>61-70</td> <td>29</td> <td>78</td> <td>24-244</td> </tr> <tr> <td>> 71</td> <td>34</td> <td>45</td> <td>5-253</td> </tr> </tbody> </table> <p>*Actual median of samples **Based on parametric model for 2.5% to 97.5% reference interval</p>	Age (years)	n	Median* (µg/dL)	95% Reference Interval** (µg/dL)	Females				18-21	10	177	51-321	21-30	39	170	18-391	31-40	40	141	23-266	41-50	42	121	19-231	51-60	39	58	8-188	61-70	30	61	12-133	> 71	33	35	7-177	Males				18-21	10	302	24-537	21-30	44	238	85-690	31-40	45	217	106-464	41-50	43	193	70-495	51-60	36	119	38-313	61-70	29	78	24-244	> 71	34	45	5-253
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