

Reporting Title: Adrenal Mass Panel, 24 Hr, U

Performing Location: Rochester

Shipping Instructions:

Ship specimens frozen.

Necessary Information:

The following information is required. Testing cannot proceed without this information (NA or Not Applicable are not acceptable responses).

- Age at diagnosis (Years, not offered for pediatric patients)
- Gender (Male, Female)
- Mode of discovery (incidental, cancer staging, other)
- Tumor diameter (mm)
- Unenhanced computerized tomography (CT) (Hounsfield units)
- Hormonal excess (Yes = Present, No=Absent)
- Collection duration in hours and 24-hour volume in milliliters

If information is not provided within 5 days of specimen receipt at MCL, testing may be delayed or canceled.

If not ordering electronically, [Adrenal Mass Panel Patient Information](#) is required.

Specimen Requirements:

Supplies: Sarstedt 5 mL Aliquot Tube (T914)

Container/Tube: Plastic urine tube

Specimen Volume: 4 mL

Collection Instructions:

1. Collect urine for a full 24 hours (required) and record the total volume.
2. Do not add preservatives. **Specimens containing preservatives will be canceled.**
3. Entire 24 hour collection must be mixed well prior to aliquoting into a 5 mL plastic tube.

Additional Information: See [Urine Preservatives-Collection and Transportation for 24-Hour Urine Specimens](#) for multiple collections.

Forms:

[Adrenal Mass Panel Patient Information](#) is required if not ordering electronically.

Urine Preservative Collection Options:

Note: The application of temperature controls **must occur within 4 hours of completion** of the collection.

Ambient	No
Refrigerate	OK
Frozen	OK
50% Acetic Acid	No
Boric Acid	No
Diazolidinyl Urea	No
6M Hydrochloric Acid	No

6M Nitric Acid	No
Sodium Carbonate	No
Thymol	No
Toluene	No

Specimen Type	Temperature	Time	Special Container
Urine	Frozen (preferred)	90 days	
	Refrigerated	14 days	

Ask at Order Entry (AOE) Questions:

Test ID	Question ID	Description	Type	Reportable
ACC	AC1AG	Age at Diagnosis	Plain Text	Yes
ACC	AC2GD	Gender	Plain Text	Yes
ACC	AC3MD	Mode of Discovery	Plain Text	Yes
ACC	AC4TZ	Tumor Diameter (mm)	Plain Text	Yes
ACC	AC5HX	Unenhanced CT (Hounsfield units)	Plain Text	Yes
ACC	AC6HM	Hormonal Excess	Plain Text	Yes
ACC	TM66	Collection Duration	Plain Text	Yes
ACC	VL66	Urine Volume	Plain Text	Yes

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
AC1AG	Age at Diagnosis	Alphanumeric		63932-8
AC2GD	Gender	Alphanumeric		76691-5
AC3MD	Mode of Discovery	Alphanumeric		95557-5
AC4TZ	Tumor Diameter (mm)	Alphanumeric		21889-1
AC5HX	Unenhanced CT (Hounsfield Units)	Alphanumeric		95558-3
AC6HM	Hormonal Excess	Alphanumeric		95559-1
TM66	Collection Duration	Alphanumeric		13362-9
VL66	Urine Volume	Alphanumeric		3167-4
607276	ACC - Clinical Risk	Alphanumeric	%	95787-8
607277	Other Malignancy - Clinical Risk	Alphanumeric	%	95788-6
607278	Benign Mass - Clinical Risk	Alphanumeric	%	95789-4
607279	ACC - Integrated Risk	Alphanumeric	%	95790-2
607280	Other Malignancy - Integrated Risk	Alphanumeric	%	95791-0
607281	Benign Mass - Integrated Risk	Alphanumeric	%	95792-8
607333	Comment	Alphanumeric		77202-0
607283	Androsterone	Alphanumeric	mcg/24 h	6705-8
607284	Androsterone Z-score	Alphanumeric		95560-9
607285	Etiocholanolone	Alphanumeric	mcg/24 h	2268-1
607286	Etiocholanolone Z-score	Alphanumeric		95561-7

607287	Dehydroepiandrosterone	Alphanumeric	mcg/24 h	13612-7
607288	Dehydroepiandrosterone Z-score	Alphanumeric		95562-5
607289	16a-OH-Dehydroepiandrosterone	Alphanumeric	mcg/24 h	95563-3
607290	16a-OH-DHEA Z-score	Alphanumeric		95564-1
607291	5-Pregnenetriol	Alphanumeric	mcg/24 h	95565-8
607292	5-Pregnenetriol Z-score	Alphanumeric		95566-6
607293	5-Pregnenediol	Alphanumeric	mcg/24 h	95567-4
607294	5-Pregnenediol Z-score	Alphanumeric		95568-2
607295	Tetrahydro-11-Corticosterone	Alphanumeric	mcg/24 h	95569-0
607296	TH-11-Corticosterone Z-score	Alphanumeric		95570-8
607297	Tetrahydro-11-Deoxycorticosterone	Alphanumeric	mcg/24 h	95571-6
607298	TH-11-Deoxycorticosterone Z-score	Alphanumeric		95572-4
607299	Pregnanediol	Alphanumeric	mcg/24 h	2834-0
607300	Pregnanediol Z-score	Alphanumeric		95573-2
607301	17a-OH-Pregnanolone	Alphanumeric	mcg/24 h	95574-0
607302	17a-OH-Pregnanolone Z-score	Alphanumeric		95575-7
607303	Pregnanetriol	Alphanumeric	mcg/24 h	2836-5
607304	Pregnanetriol Z-score	Alphanumeric		95576-5
607305	Pregnanetriolone	Alphanumeric	mcg/24 h	50643-6
607306	Pregnanetriolone Z-score	Alphanumeric		95577-3
607307	Tetrahydrodeoxycortisol	Alphanumeric	mcg/24 h	2996-7
607308	Tetrahydrodeoxycortisol Z-score	Alphanumeric		95578-1
607309	Cortisol	Alphanumeric	mcg/24 h	14158-0
607310	Cortisol Z-score	Alphanumeric		95579-9
607311	6B-OH-Cortisol	Alphanumeric	mcg/24 h	13611-9
607312	6B-OH-Cortisol Z-score	Alphanumeric		95580-7
607313	Tetrahydrocortisol	Alphanumeric	mcg/24 h	2995-9
607314	Tetrahydrocortisol Z-score	Alphanumeric		95581-5
607315	5a-Tetrahydrocortisol	Alphanumeric	mcg/24 h	21044-3
607316	5a-Tetrahydrocortisol Z-score	Alphanumeric		95582-3
607317	B-Cortol	Alphanumeric	mcg/24 h	53634-2
607318	B-Cortol Z-score	Alphanumeric		95583-1
607319	11B-OH-Androsterone	Alphanumeric	mcg/24 h	6701-7
607320	11B-OH-Androsterone Z-score	Alphanumeric		95584-9
607321	11B-OH-Etiocholanolone	Alphanumeric	mcg/24 h	6700-9
607322	11B-OH-Etiocholanolone Z-score	Alphanumeric		95585-6
607323	Cortisone	Alphanumeric	mcg/24 h	14044-2
607324	Cortisone Z-score	Alphanumeric		95586-4
607325	Tetrahydrocortisone	Alphanumeric	mcg/24 h	16116-6
607326	Tetrahydrocortisone Z-score	Alphanumeric		95587-2
607327	a-Cortolone	Alphanumeric	mcg/24 h	55906-2
607328	a-Cortolone Z-score	Alphanumeric		95588-0
607329	B-Cortolone	Alphanumeric	mcg/24 h	95589-8

607330	B-Cortolone Z-score	Alphanumeric		95590-6
607331	11-Oxoetiocholanolone	Alphanumeric	mcg/24 h	6703-3
607332	11-Oxoetiocholanolone Z-score	Alphanumeric		95591-4
607282	Interpretation	Alphanumeric		73884-9

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

0015M

Reference Values:

Note: Due to the wide range of urine steroid metabolite concentrations seen in healthy individuals and their skewed distribution, the reference values are based on the back calculated +/- 3SD of log transformed data.

- Males 18-49 years:
- Androsterone: 182-29,212 mcg/24 hour
 - Etiocholanolone: 133-23,272 mcg/24 hour
 - Dehydroepiandrosterone: <5-81,554 mcg/24 hour
 - 16a-OH-Dehydroepiandrosterone: 13-29,945 mcg/24 hour
 - 5-Pregnenetriol: 23-7,328 mcg/24 hour
 - 5-Pregnenediol: 13-2,823 mcg/24 hour
 - Tetrahydro-11-Corticosterone: 8-1,961 mcg/24 hour
 - Tetrahydro-11-Deoxycorticosterone: <5-316 mcg/24 hour
 - Pregnanediol: 12-3,812 mcg/24 hour
 - 17a-OH-Pregnanolone: 15-2,466 mcg/24 hour
 - Pregnanetriol: 66-9,409 mcg/24 hour
 - Pregnanetriolone: <5-550 mcg/24 hour
 - Tetrahydrodeoxycortisol: 7-1520 mcg/24 hour
 - Cortisol: <5-903 mcg/24 hour
 - 6B-OH-Cortisol: 13-2,303 mcg/24 hour
 - Tetrahydrocortisol: 152-22,723 mcg/24 hour
 - 5a-Tetrahydrocortisol: 157-24,059 mcg/24 hour
 - B-Cortol: 30-5,115 mcg/24 hour
 - 11B-OH-Androsterone: 108-11,987 mcg/24 hour
 - 11B-OH-Etiocholanolone: 22-8,312 mcg/24 hour
 - Cortisone: 12-842 mcg/24 hour
 - Tetrahydrocortisone: 271-44,355 mcg/24 hour
 - a-Cortolone: 140-14,885 mcg/24 hour
 - B-Cortolone: 72-9,740 mcg/24 hour
 - 11-Oxoetiocholanolone: 70-8,446 mcg/24 hour

Males > or =50 years:

Androsterone: 118-25,389 mcg/24 hour
Etiocholanolone: 127-15,640 mcg/24 hour
Dehydroepiandrosterone: 7-4,260 mcg/24 hour
16a-OH-Dehydroepiandrosterone: 11-6,183 mcg/24 hour
5-Pregnenetriol: 24-2,162 mcg/24 hour
5-Pregnenediol: 17-1,296 mcg/24 hour
Tetrahydro-11-Corticosterone: 16-1,674 mcg/24 hour
Tetrahydro-11-Deoxycorticosterone: <5-297 mcg/24 hour
Pregnanediol: 23-1,846 mcg/24 hour
17a-OH-Pregnanolone: 18-1,747 mcg/24 hour
Pregnanetriol: 115-5,432 mcg/24 hour
Pregnanetriolone: 5-221 mcg/24 hour
Tetrahydrodeoxycortisol: 12-1,277 mcg/24 hour
Cortisol: 12-597 mcg/24 hour
6B-OH-Cortisol: 22-2,406 mcg/24 hour
Tetrahydrocortisol: 331-19,009 mcg/24 hour
5a-Tetrahydrocortisol: 155-35,266 mcg/24 hour
B-Cortol: 56-3,541 mcg/24 hour
11B-OH-Androsterone: 142-13,135 mcg/24 hour
11B-OH-Etiocholanolone: 69-6,805 mcg/24 hour
Cortisone: 24-732 mcg/24 hour
Tetrahydrocortisone: 454-34,576 mcg/24 hour
a-Cortolone: 211-17,591 mcg/24 hour
B-Cortolone: 114-8,434 mcg/24 hour
11-Oxoetiocholanolone: 155-7,174 mcg/24 hour

Females 18-49 years:

Androsterone: 90-29,625 mcg/24 hour
Etiocholanolone: 127-24,568 mcg/24 hour
Dehydroepiandrosterone: <5-12,317 mcg/24 hour
16a-OH-Dehydroepiandrosterone: 5-31,248 mcg/24 hour
5-Pregnenetriol: 17-4,166 mcg/24 hour
5-Pregnenediol: 6-2,900 mcg/24 hour
Tetrahydro-11-Corticosterone: 13-1,548 mcg/24 hour
Tetrahydro-11-Deoxycorticosterone: <5-833 mcg/24 hour
Pregnanediol: 8-44,760 mcg/24 hour
17a-OH-Pregnanolone: 7-3,208 mcg/24 hour
Pregnanetriol: 50-9,768 mcg/24 hour
Pregnanetriolone: <5-139 mcg/24 hour
Tetrahydrodeoxycortisol: 7-1,047 mcg/24 hour
Cortisol: 11-642 mcg/24 hour
6B-OH-Cortisol: 22-2,061 mcg/24 hour
Tetrahydrocortisol: 185-16,515 mcg/24 hour
5a-Tetrahydrocortisol: 45-22,591 mcg/24 hour

B-Cortol: 28-4260 mcg/24 hour
11B-OH-Androsterone: 59-12,462 mcg/24 hour
11B-OH-Etiocholanolone: 32-6,354 mcg/24 hour
Cortisone: 19-749 mcg/24 hour
Tetrahydrocortisone: 262-32,461 mcg/24 hour
a-Cortolone: 207-13,931 mcg/24 hour
B-Cortolone: 63-7,489 mcg/24 hour
11-Oxoetiocholanolone: 63-7,449 mcg/24 hour

Females > or =50 years:

Androsterone: 32-10,134 mcg/24 hour
Etiocholanolone: 52-10,946 mcg/24 hour
Dehydroepiandrosterone: <5-10,046 mcg/24 hour
16a-OH-Dehydroepiandrosterone: <5-9,982 mcg/24 hour
5-Pregnenetriol: 10-1,901 mcg/24 hour
5-Pregnenediol: <5-2,732 mcg/24 hour
Tetrahydro-11-Corticosterone: 14-1,229 mcg/24 hour
Tetrahydro-11-Deoxycorticosterone: <5-123 mcg/24 hour
Pregnanediol: 8-2,138 mcg/24 hour
17a-OH-Pregnanolone: <5-571 mcg/24 hour
Pregnanetriol: 26-3,444 mcg/24 hour
Pregnanetriolone: <5-348 mcg/24 hour
Tetrahydrodeoxycortisol: 8-801 mcg/24 hour
Cortisol: 9-336 mcg/24 hour
6B-OH-Cortisol: 25-1,365 mcg/24 hour
Tetrahydrocortisol: 237-14,050 mcg/24 hour
5a-Tetrahydrocortisol: 92-12,604 mcg/24 hour
B-Cortol: 29-3289 mcg/24 hour
11B-OH-Androsterone: 86-9,280 mcg/24 hour
11B-OH-Etiocholanolone: 40-7,002 mcg/24 hour
Cortisone: 15-555 mcg/24 hour
Tetrahydrocortisone: 359-24,320 mcg/24 hour
a-Cortolone: 125-17,472 mcg/24 hour
B-Cortolone: 82-5,784 mcg/24 hour
11-Oxoetiocholanolone: 78-6,571 mcg/24 hour

Reference values have not been established for patients who are younger than 18 years of age.