

CC5/15

APOLLO 15 - PROPOSED MEDICAL REQUIREMENTS CHANGES FROM APOLLO 14.

<u>Requirement</u>	<u>Preflight</u>	<u>Postflight</u>
Physical Exam	Add retinal photographs & supplement Eye Exam	Add retinal photographs & supplement eye exam
Drug Testing	Second to be included in test schedule.	No requirement
Potable Water	No change	No change
Clinical Lab Med.	Measurement of exchangeable potassium to be added to isotope protocol (requires no change in procedure, venipunctures or amt of blood)	Addition of potassium measurement. Delete R+16 blood requirement
Exercise Response	Procedure change - decrease first step from 6 min to 5 min, increase last two steps from 3 min to 5 min - last two min. of each step to be work load controlled.	Same procedure change as preflight.
Orthostatic Tolerance	LBNP testing instead of passive stand tests.	LBNP instead of stand tests. Delete second test R+16 R+2 if not baseline on R+1
Bone Mineral Experiment	No change	Delete R+30-45 measurement
Chromosome Analysis	No change	No change
Microbiology	F-15 sampling to F-5, decrease number of skin sites from 8 to 2, virology samples to be stored. Incr. S/C sample sites from 4 to 12-16	Delete R+16 sample requirement. Increase S/C sample sites from 4 to 12 - 16
Gamma Spectrometry	No change	No change
Passive Dosimetry	No change	No change
Food Evaluation	No change	No change
Toxicology	No change	No change
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	<u>Inflight</u>	
Crew Status Reports	No change	
Lunar Surface EVA monitoring	No change	
Visual Light Flash Phenomenon	New requirement	
Biomedical Monitoring	Amount of physiological from each crewman reduced by approximately 50%.	