

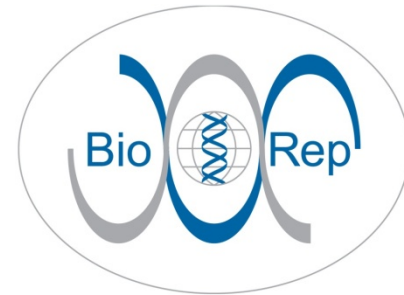
# PPMI Biorepository Update

PPMI Annual Meeting

May 2-3, 2012

Alison Scutti, MS

Coriell Institute for Medical Research



*facilitating research worldwide*



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# Biorepository Core Team

## Coriell

Alison Scutti, MS  
Senior Project Manager  
Biorepository PI

Emily Giles  
Project Manager

Steve Madore, PhD  
Director, Molecular Biology

Dara Kusic  
Application Developer

## BioRep

Paola Casalin  
Laboratory Manager

Giulia Malferrari  
Laboratory Technician

Marco Teruggi  
IT Competence Center

## MJFF/CTCC

Mark Frasier, PhD  
Director, Research Programs

Emily Flagg  
Clinical Project Manager

Alice Rudolph, PhD  
Clinical Project Manager



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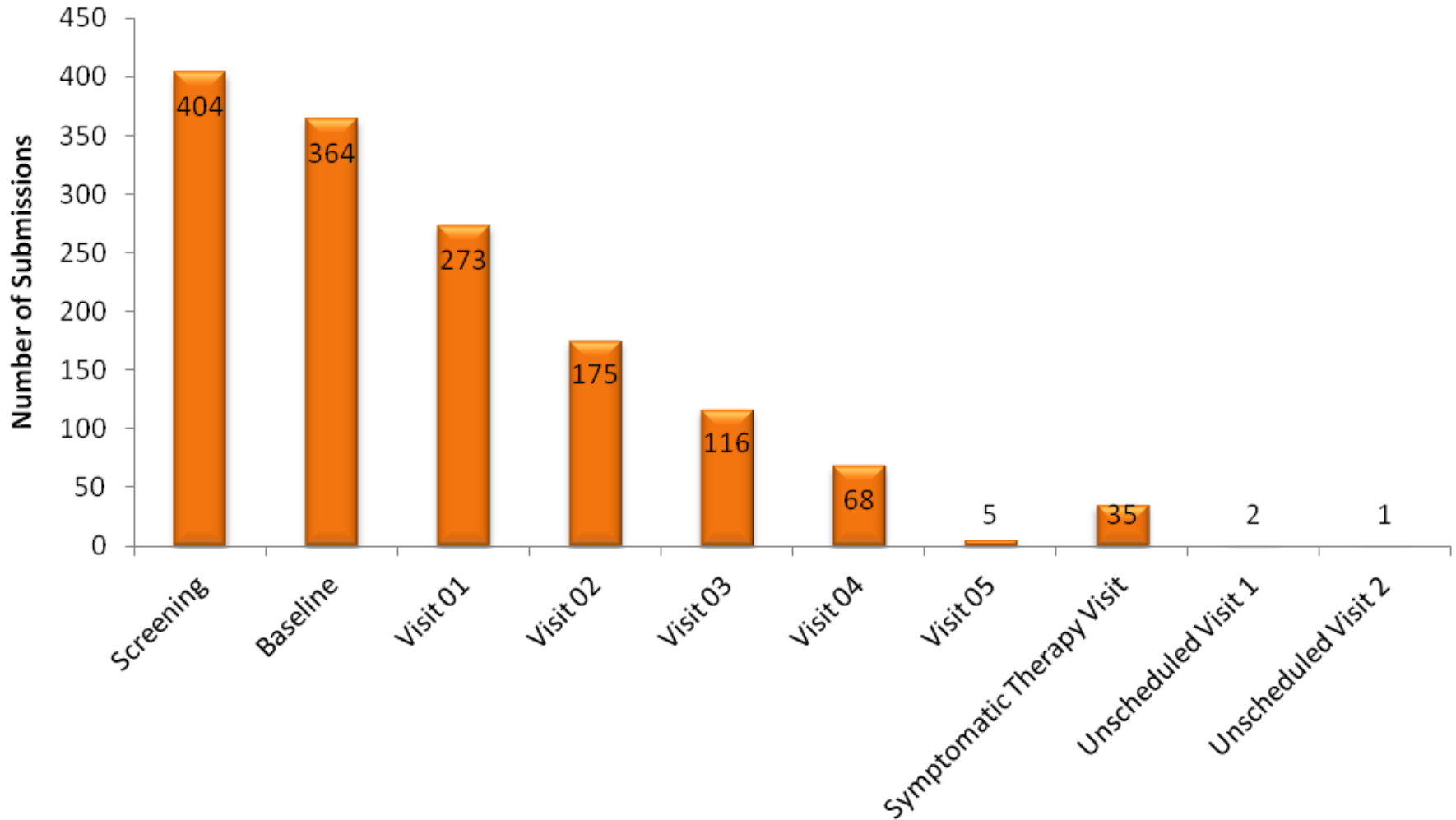
# Outline

- Submissions
- Processing
- Issues



# PPMI Sample Submission Summary

1,443 submissions from 442 unique subjects



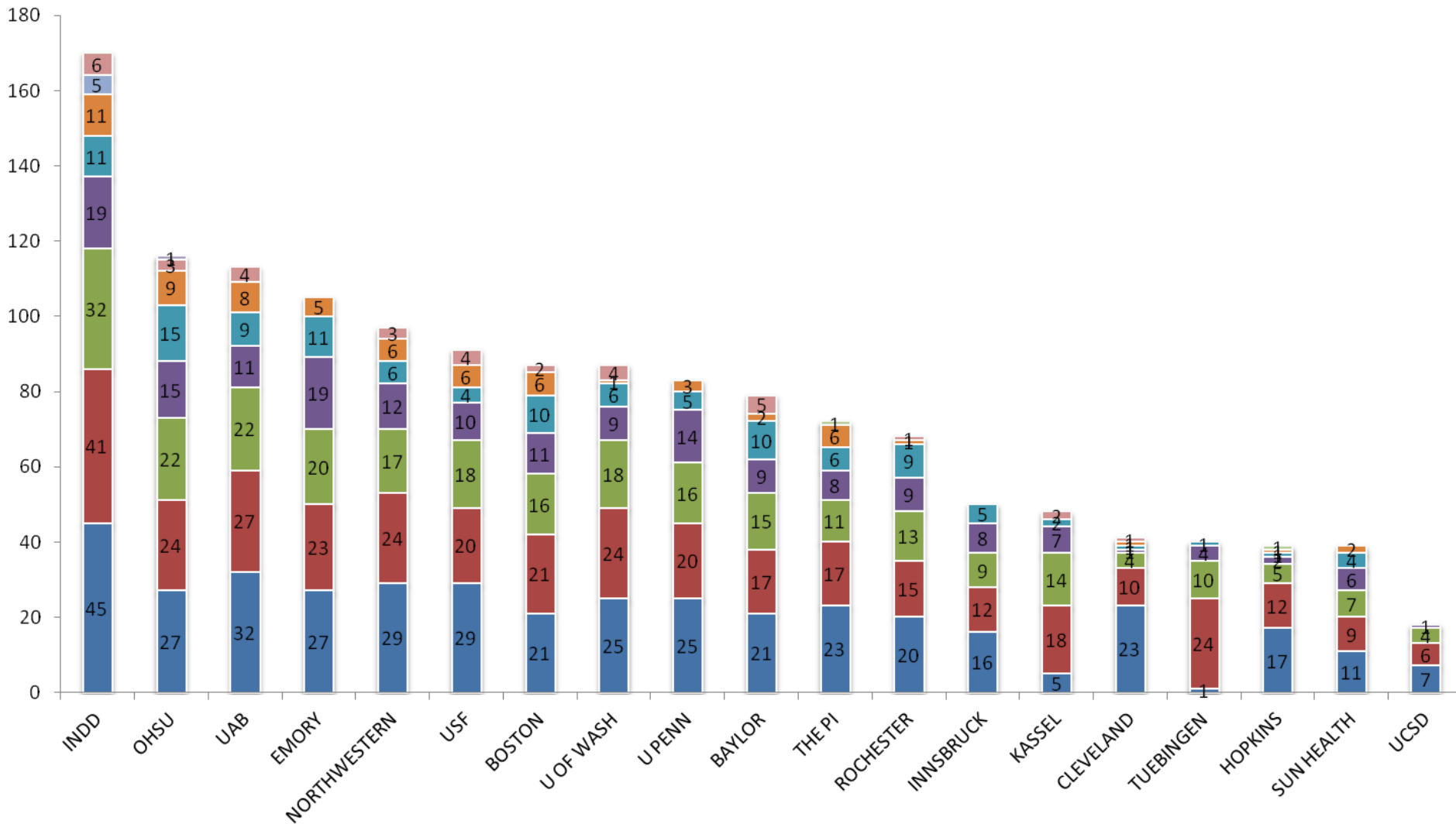
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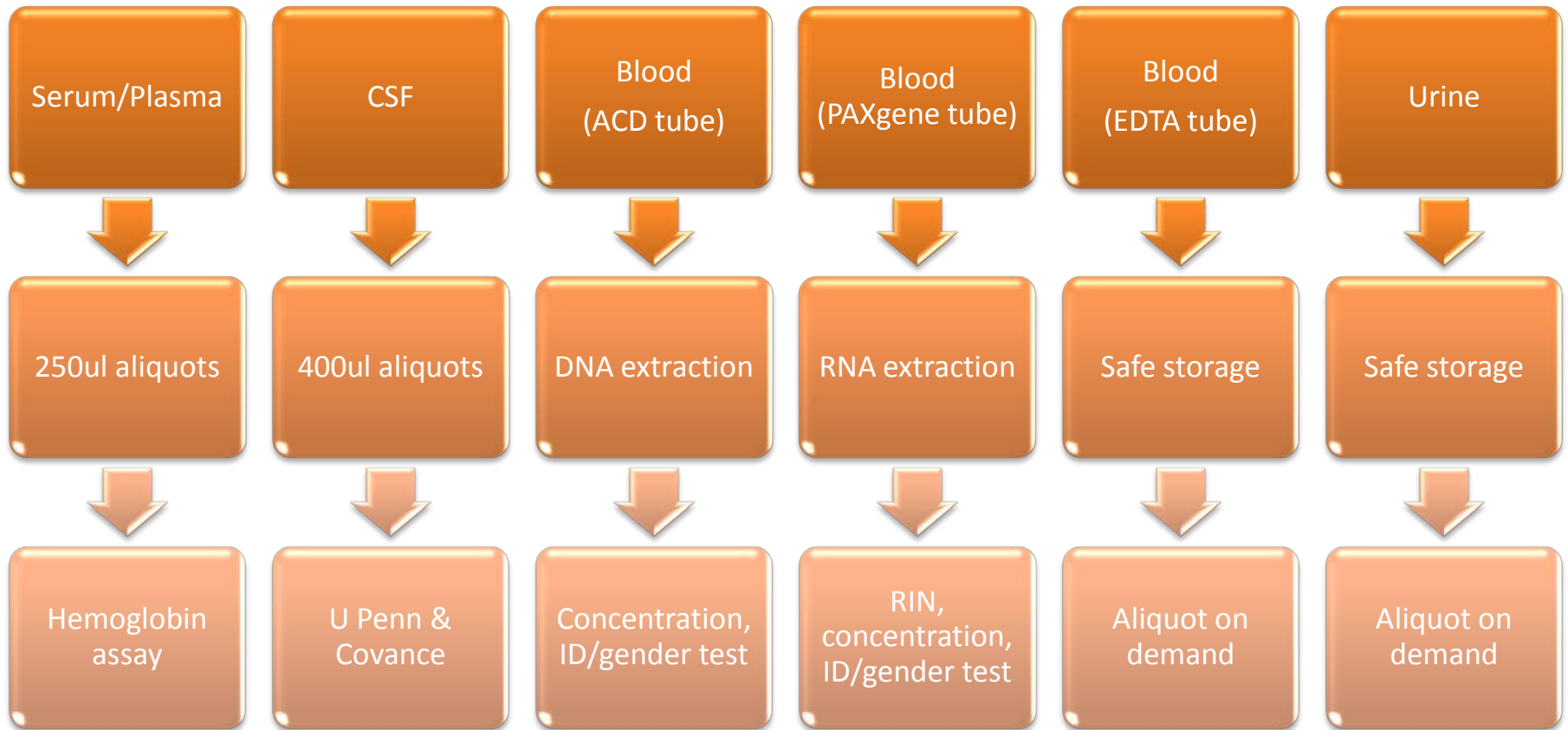


# Submissions per Clinical Site

■ SC ■ BL ■ V01 ■ V02 ■ V03 ■ V04 ■ V05 ■ ST ■ UN1 ■ UN2



# Sample Processing Overview

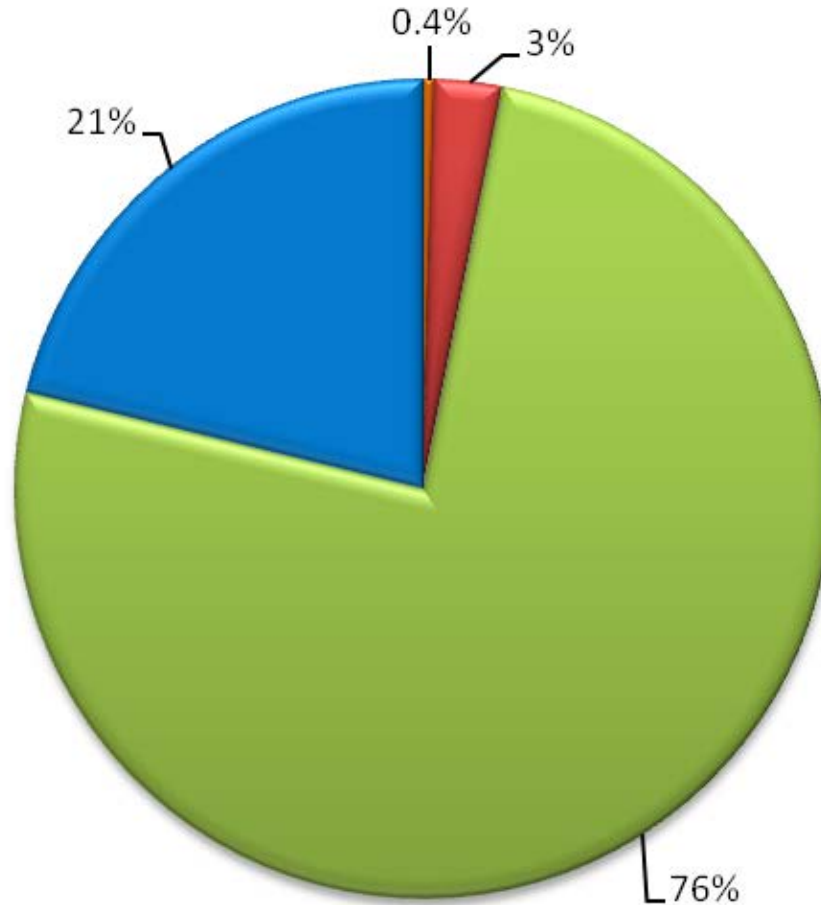


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# DNA Extraction Progress

Discarded Upon Receipt QC Fail QC Complete QC In Progress



Average 260/260: 1.87  
Average conc: 0.31 ug/ul  
Average total yield: 181.35 ug



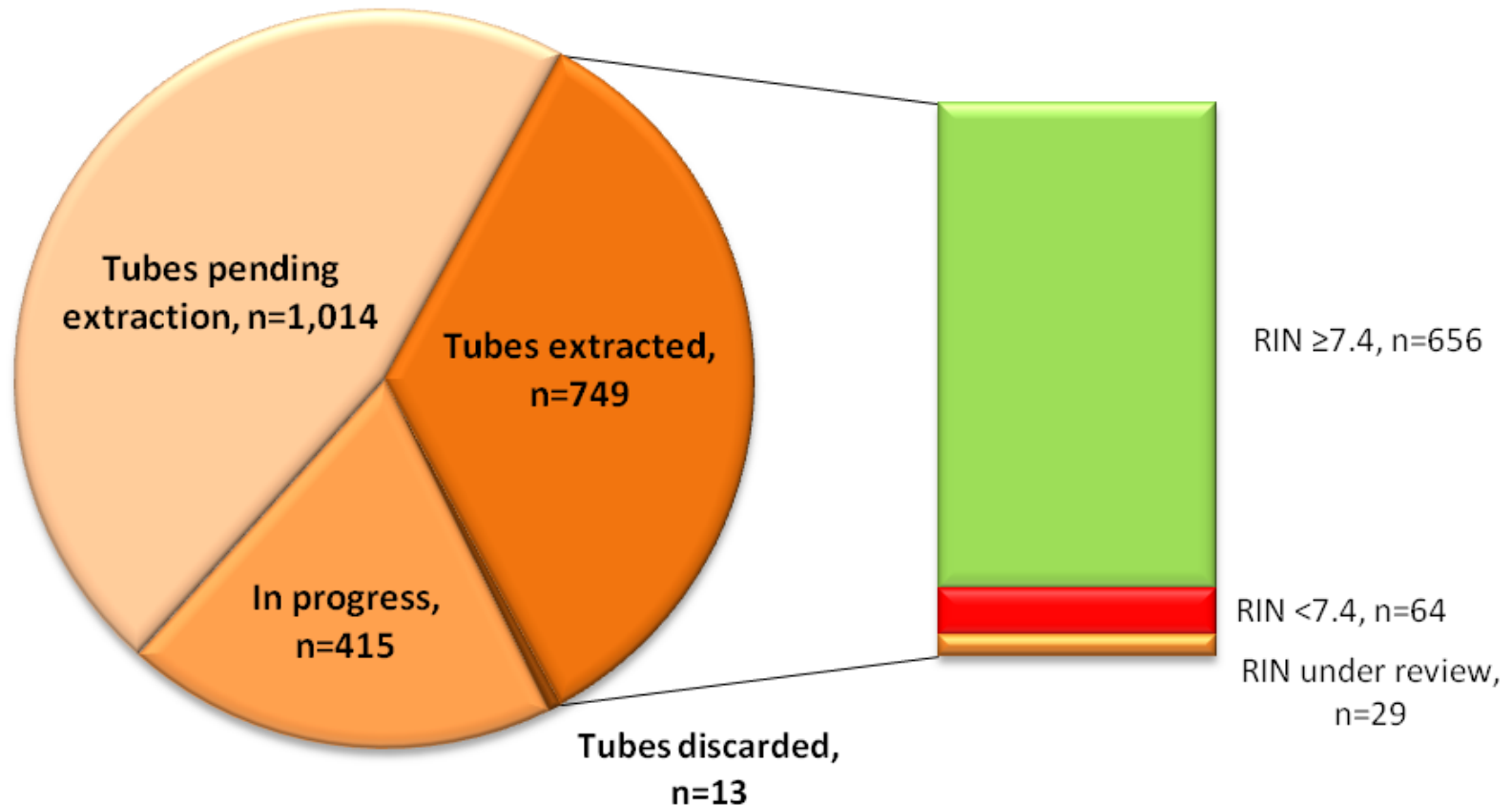
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# PAXgene RNA Extraction Progress

*Extractions resumed February, 2012*



Average 260/280: 2.11

Average concentration: 78.2 ng/ul

Average total yield: 5.47 ug



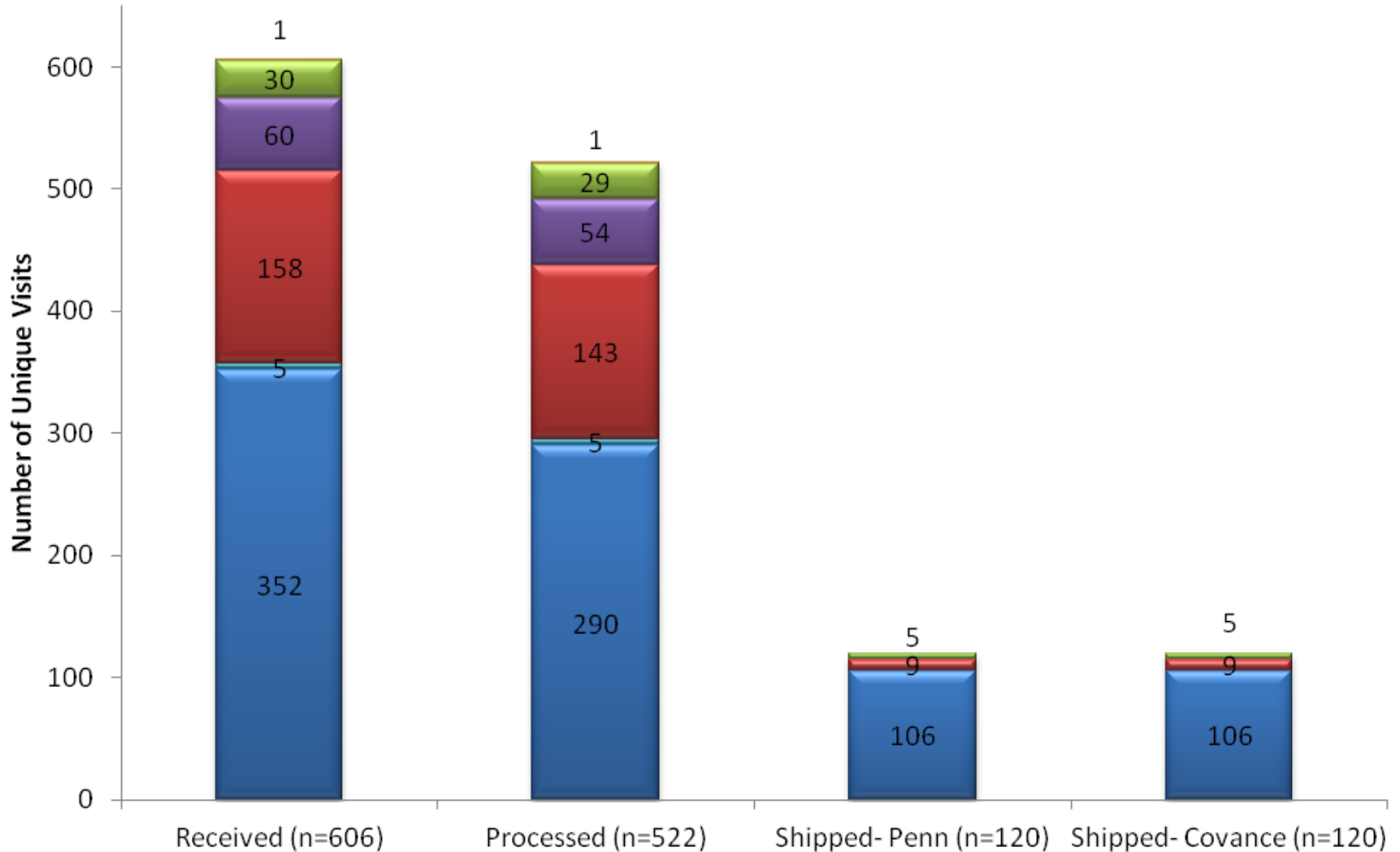
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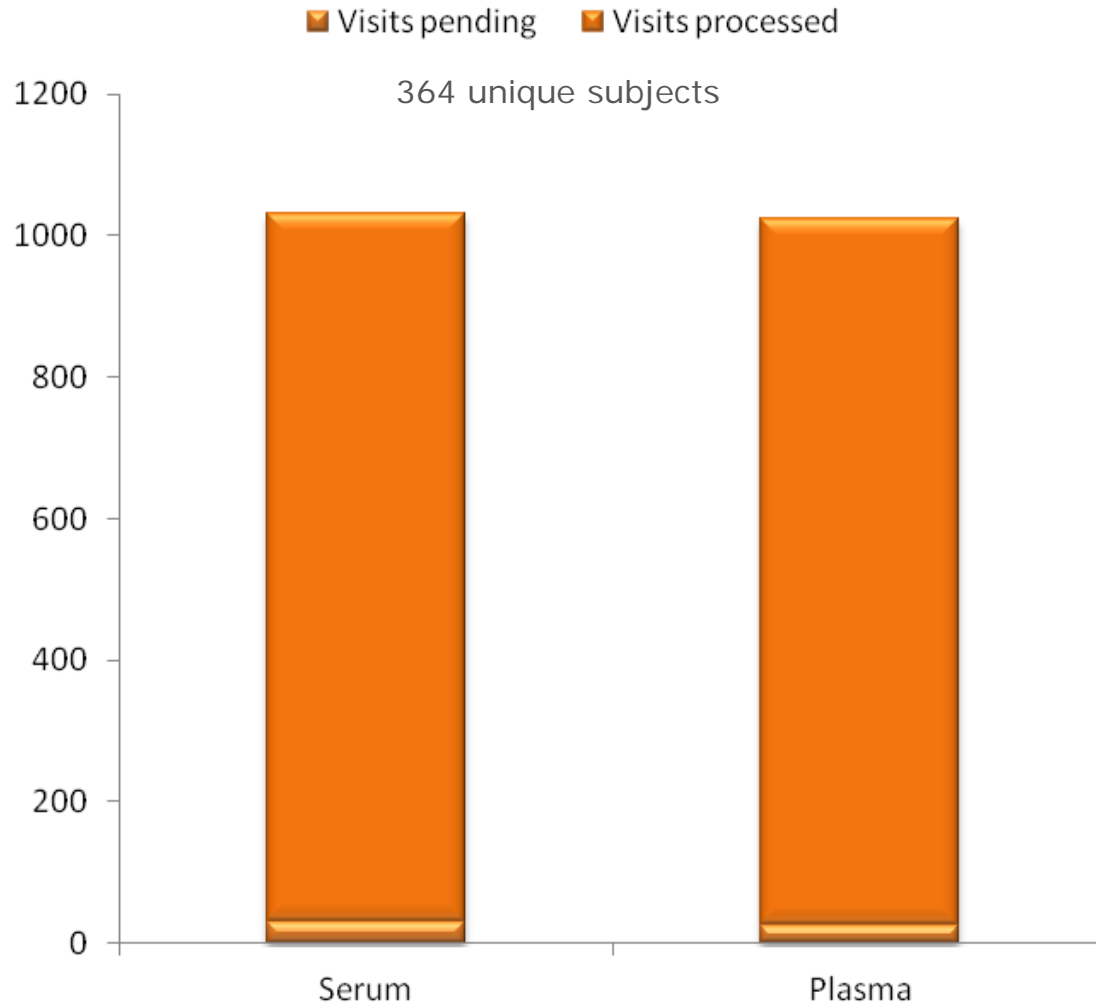


# CSF Processing

■ BL ■ Visit01 ■ V02 ■ V04 ■ ST ■ UN 1



# Serum & Plasma Progress

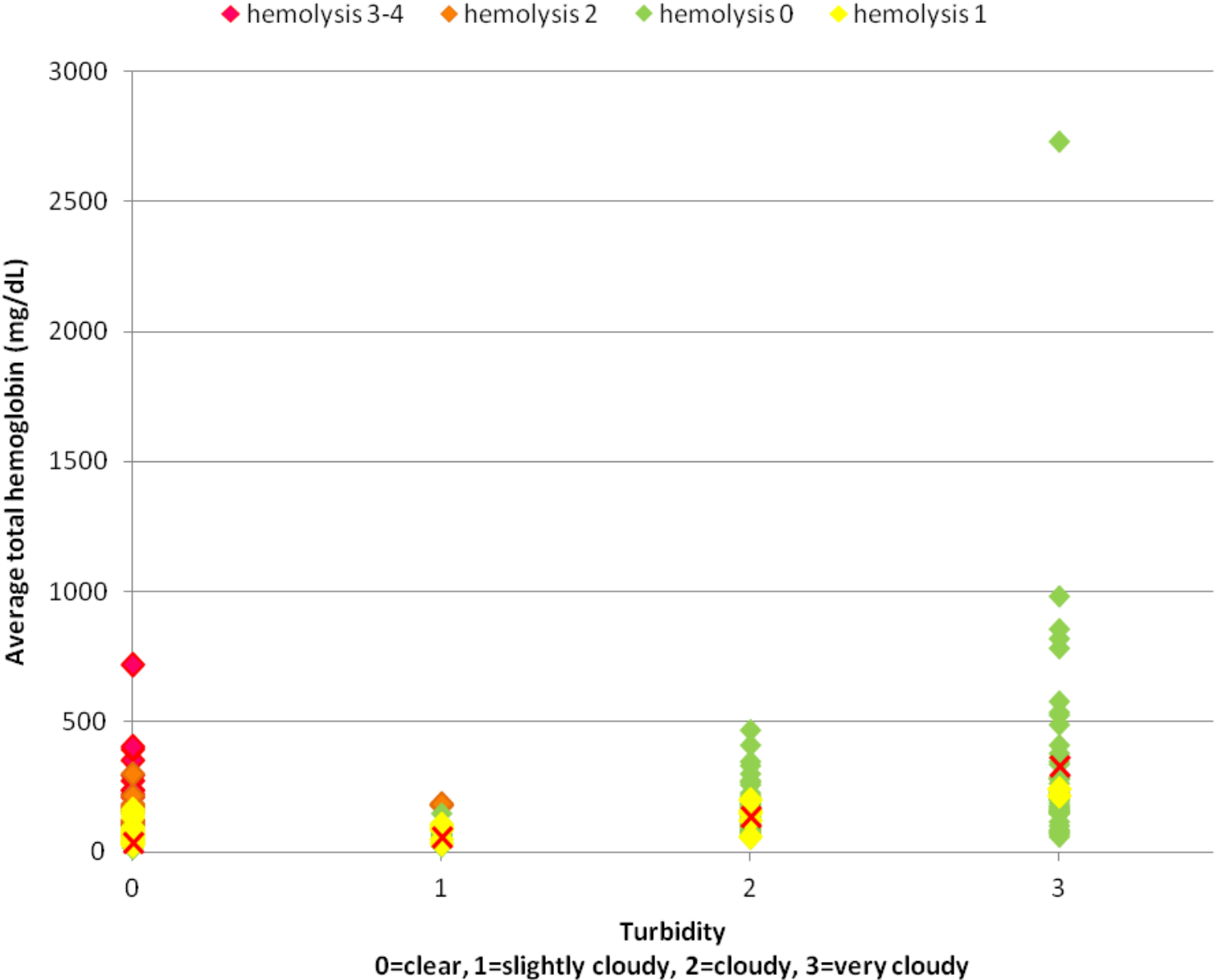


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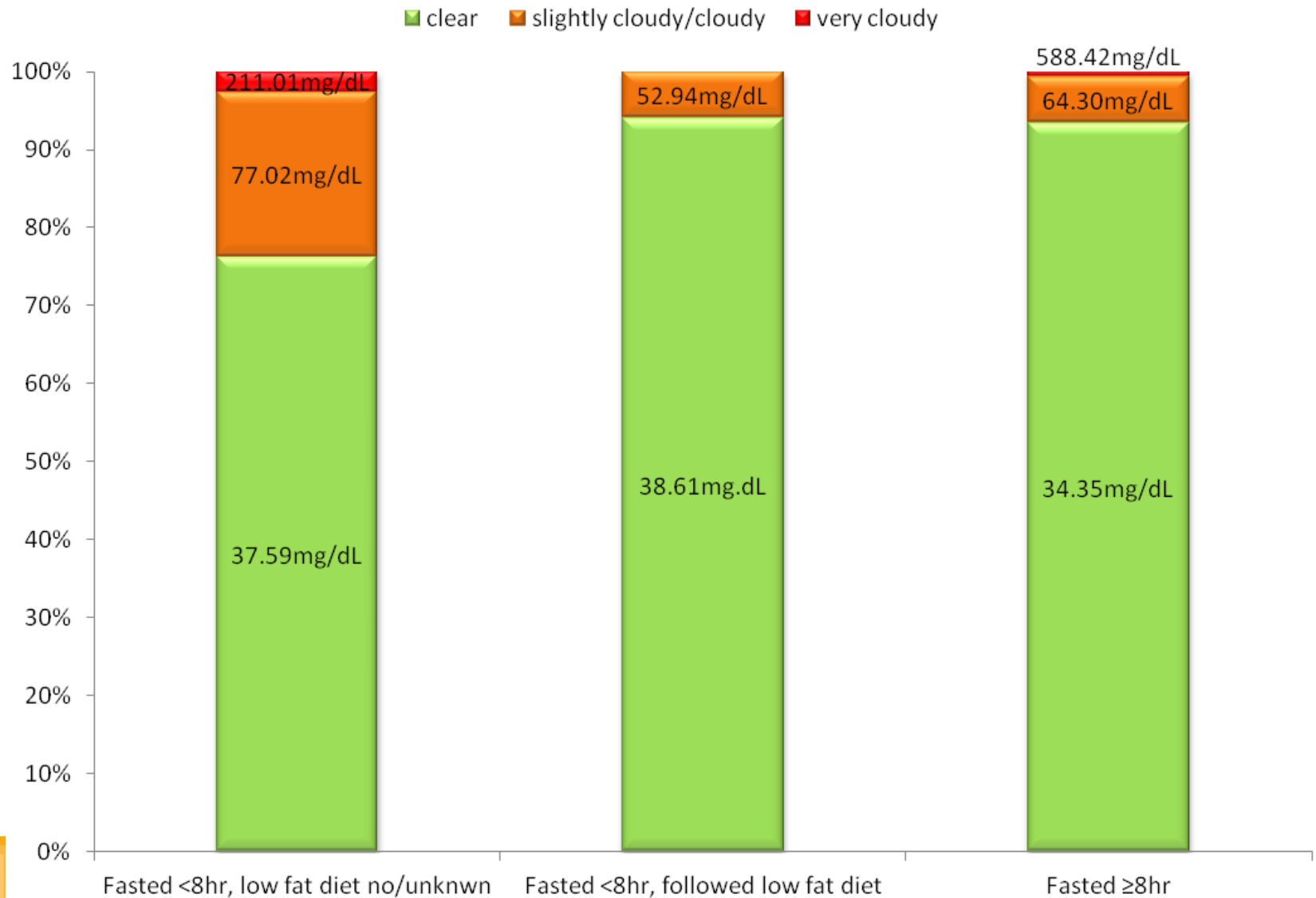
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# Serum/Plasma Hemoglobin & Turbidity



# Fasting Impact on Serum/Plasma Quality



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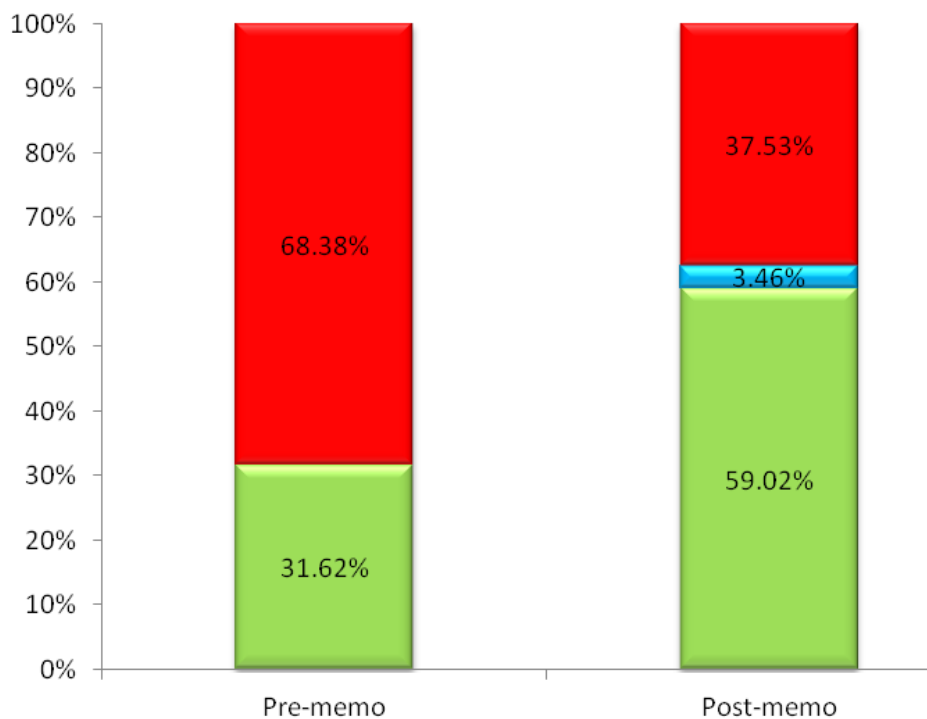
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*All ser/pl samples to date*

# Improved Serum/Plasma Quality Since Protocol Amendment 3

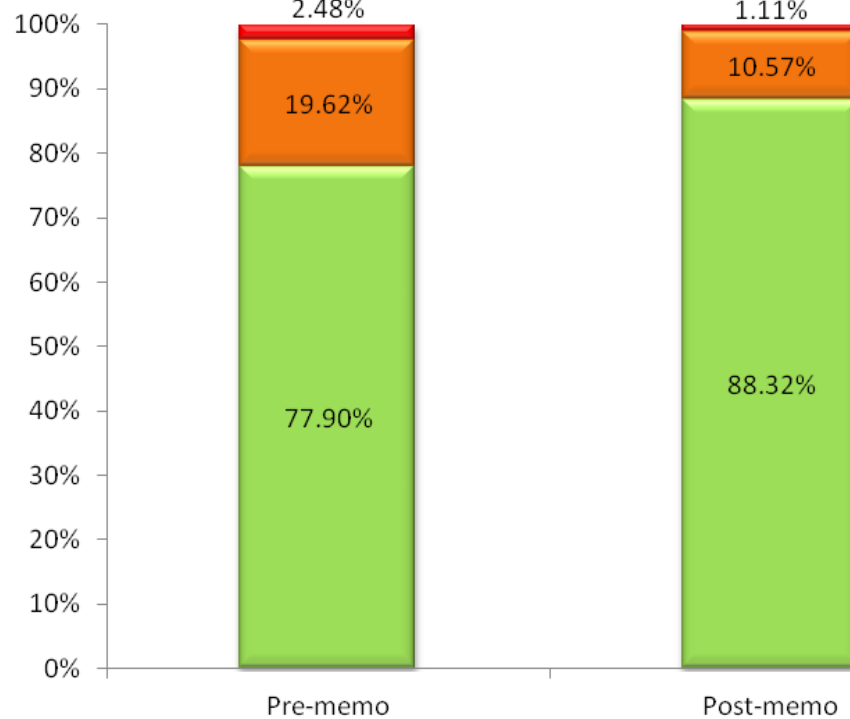
## Time Elapsed Meal to Blood Collection

■ ≥8hr   ■ <8hr, low fat diet   ■ <8hr, low fat diet no/unkwn



## Turbidity

■ clear   ■ slightly cloudy/cloudy   ■ very cloudy



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# Sample & Submission Issues

Tube labels not adhering well to frozen samples

New labels issued

Cloudy serum/plasma samples

Protocol Amendment: fasting/low fat diet menu

Frozen submissions arriving with low/no dry ice

Alternative shipping methods being considered

RNA with low RINs

Due to single-step extraction method  
Electropherograms available upon request



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# PPMI Biologics Review Committee

Mark Frasier, PhD

The Michael J Fox Foundation

May 2, 2012



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# Status of Biologics Review Committee

- Committee
  - Eugene Johnson, PhD (Chair), Washington University
  - Mark Cookson, PhD, National Institute of Aging
  - Un Jung Kang, MD, University of Chicago
  - Ken Marek, MD, Institute for Neurodegenerative Diseases
  - Howard Schulman, PhD, Stanford University
- Bi-monthly calls to evaluate proposals
  - Two step proposal process through PPMI website



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