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It's SO Easy Being Green: Low and No Cost Solutions

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It’s SO Easy Being Green
Low and No Cost Solutions

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It's SO Easy Being Green
Low and No cost Solutions

Ergo Cup 2011
Applied Ergonomics Conference
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Mobile Carts

Problem

Solution

Lab Safety Supply
Rubbermaid® Utility Trolley™
#49936
Cost $50
PVC Pipe

Problem

Solution

Local Hardware Store
1”, 3ft PVC Pipe
Cost $2
Glass Syringe

Problem

Solution

http://www.bd.com/
BD 20 ml multi fit glass syringe 512133
Cost $50
Clear Microtube Racks

Problem

Solution

Poltex
Clear 12 Microtube Rack  #CS-01146-12
Cost $32
Pelican Cutter

Problem

Solution

McMaster Carr
Finger-Safe Cutters 4926A41
Cost $13
Dycem

Problem

Solution

www.dycem.com
Dycem grip material
6 Foot Roll : $50
Jar Opener: $13
Microtube Opener

ISC BioExpress
Microcentrifuge Tube Openers # C-3272-1
Cost $0.40 each
Labeling Gun

Problem

Solution

Uline
# Monarch 113
Cost $74
Vortex Accessories

McMaster-Carr
Hook & Loop #8200K131, 8200K136
Cost $3.97 each

VWR
Vortex Adapter, Labnet 50mL#100370-838
Cost $77
Shelf Heightener

TAP Plastics Scrap
Cost $2
Gel Wrist Support

www.alimed.com
Gel Edge Protector
Cost $25
Recycled Reagent Plastic Holder

Reused clear plastic holder for a different task to allow use of decapping device and clear visibility of tubes contents

Cost $0
Tip Boxes

Original Use

Recycled Use

Used for pipette tip ejection: Reduces reach required versus using standard higher waste bin

Cost $0
Strip Tube Popper

Problem

Used to pop out desired strip tubes without pinching

Cost $0

Solution
Manifold Remover

Used as a pry tool to remove a manifold
Cost $0
Cassette Ramp

Problem

Used monitor stand as a ramp to minimize reach

Cost $0

Solution
96 Well Plate

96 well plate used as a hole punch

Cost $0
Waste Disposal

Tip and shake waste into lid

Use lid to put waste into large waste container

Used a plastic lid to collect waste

Cost $0
Suction Cups

Problem

Solution

Used tools from retired process for different applications

Cost $0
Hands Free Dispense Button

Problem

Solution

Re-purposed a bottle to hold down a button for hands free operation

Cost $0
Hector the Helper

Problem

Solution

Allows you to “tip and lift” without claw grip

Cost $0
Bottle Platform

Problem

Solution

Used an old plate underneath the bottle for easy placement and removal of the bottle without screwing the bottle onto the machine

Cost $0
Cover Plate

Problem

Used “cover plates” to prevent evaporation vs need to purchase plastic film covers that require pinching…ouch!

Solution

Cost $0
Automated Sealer

Problem

Re-used instrument from retired process to automate sealing plates
Cost $0

Solution
Plastic Trough

Problem

Solution

Used unused plastic troughs to protect hands from pricking

Cost $0
Cup Holder

Problem

Solution

Transformed the box the cup was shipped into the holder

Cost $0
Styrofoam Ring

Used styrofoam from shipment box to stabilize the bottle

Cost $0
Cap Sealer

Problem

Solution

Found an old roller tool to eliminate pinching
Cost $0
Port Covers

Problem

Solution

Used sticky flags (office supplies) for ease of use

Cost $0
Stylus

Problem

Solution

CDW
Elo Touch Screen Stylus
#1038167
Cost $50