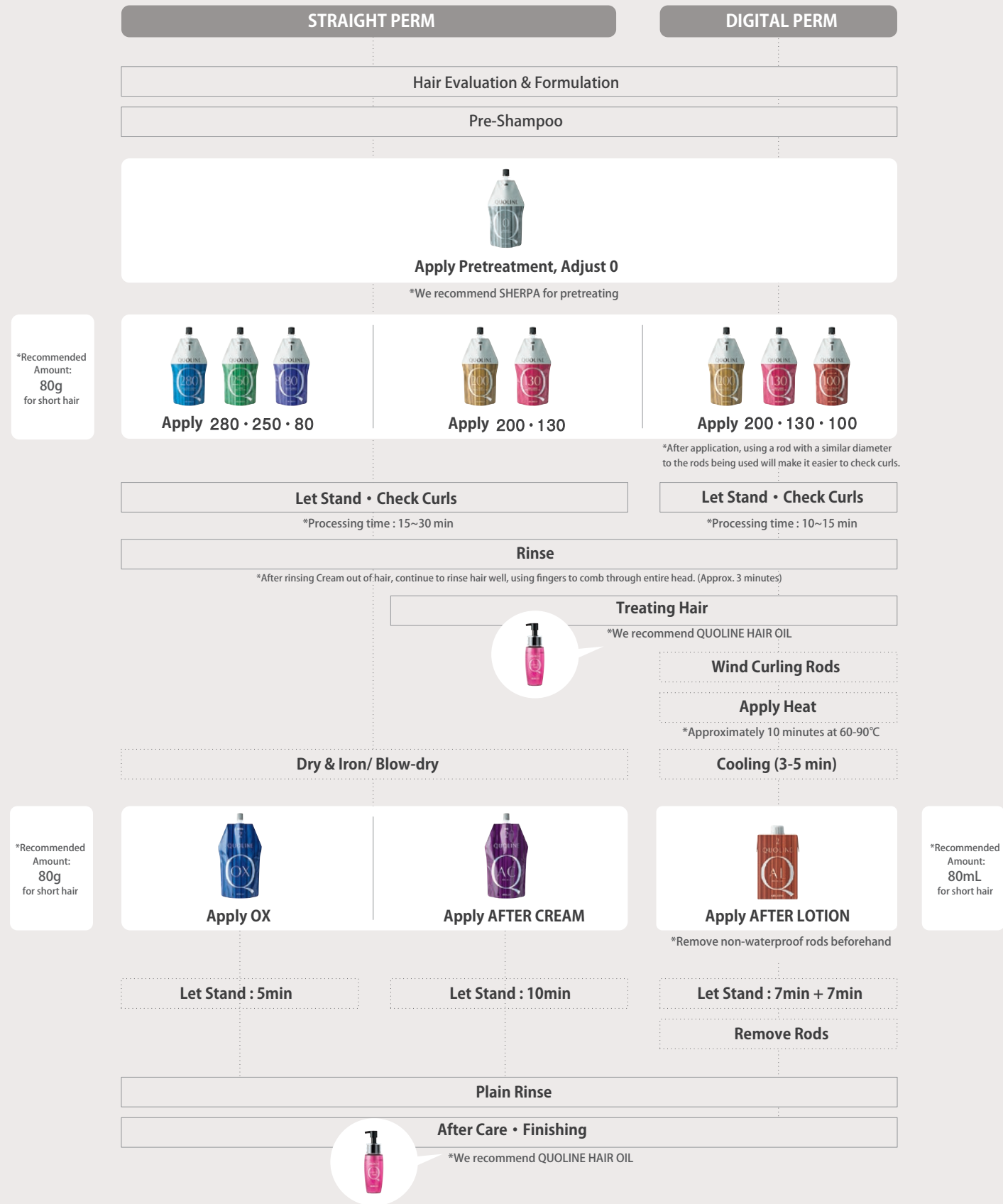




Process (Straight Perm / Digital Perm)



ARIMINO



QUOLINE
QUOLINE STRAIGHT & CURL

Texture and Design

Just The Way You Want



Straight hair with soft curls just at the tips;
Natural curls that are more manageable, supple, and soft.

Incorporating both curls and straight hair into your design
Not only achieves better hair quality,
But also makes the process more fun, with a wider range of possibilities.

QUOLINE helps to create quality designs,
just the way you want them.

NEW QUOLINE Features

From straightening and digital perms to damaged ends:
Tackling the many obstacles in conventional perms.



Also works with digital perms.

Enjoy a variety of designs with less heat.

With the addition of <QUOLINE 100> for digital perms, there is now an even wider range of locks to create, **with or without curls**. Furthermore, while digital perms normally require about 90°C, the QUOLINE 100 can **create redges at just 50-60°C**. As a result, hair is protected from heat damage.



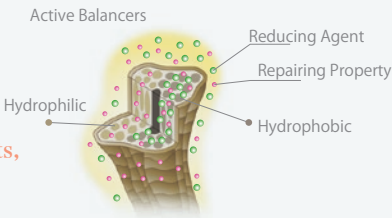
CA-T-C 100



More manageable natural curls

With the Active Balancing Function

We have kept the Active Balancing Function, which delivers the right ingredients in the right amount to the right places, from the original QUOLINE series. The Active Balancing **work on hard-to-penetrate, hydrophobic areas of natural curls, allowing key elements, such as reducing agents and hair softeners, to be effectively permeated**. The alkalinity level has also been minimized, to minimize damage to the hair,



Enjoy Multiple Procedures Without Damages

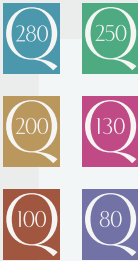
Heat-protecting ingredients and Serum Wrap Formula

Two new formulas made **especially for pH neutral hair ends**, <QUOLINE 100 (for digital perms)> <QUOLINE 80 (for straightening)> have been added to the line **to minimize damage**.



CA-T-C 100

T-C 80



Hair That’ s Addictively Soft to the Touch.

Heat-protecting ingredients and Serum Wrap Formula

Trimethylglycine (betaine), derived from beets, has been added to the perming solutions and 1st cream to **prevent hair from becoming coarse** from heat denaturation.



Trimethylglycine (betaine) (Protects)

A perfectly balanced and rich serum locks in moisture, and helps to maintain supple and soft hair.



Ceramides ※1 (Moisturizes)



Keratin ※2 (Repairs)



Shea Butter (Moisturizes)



Silk PPT ※3 (Repairs)

In Perming Solution and 1st Cream

In OX 2nd, After Cream

In OX 2nd, After Cream/ Lotion

※1, N-Lauroyl L-Glutamic Acid (Phytosteryl 2 - Octyldodecyl) Lauroyl Glutamate (Phytosteryl/ Octyldodecyl)

※2, Sodium N-(2-Hydroxy-3-(Trimethylammonio) Propyl) Hydrolyzed Keratin Liquid Hydroxypropyltrimonium Hydrolyzed Keratin (Sheep’ s wool)

※3, Hydrolyzed Silk Liquid

Hydrolyzed Silk

Heat-protection, for the salon and the home



In the Salon

Pretreatment
Before Digital perm
and Straightening

Home Care

For Use Before
Dryers and Irons

This heat-protecting oil contains both **vitamin C derivative and Erucalactone**, both of which easily adhere to hair surface with added heat. It protects the hair from heat damages, and maintains suppleness.



Vitamine C Derivative ※4 (Protects)



Erucalactone ※5 (Protects)



Macadamia Nut Oil (Moisturizes)



Squalane (Moisturizes)

※4, Ascorbyl Tetrahexyldecanate




※5, Gamma-Docosalactone

QUOLINE Controls Heat for
Perfect Curling and Straightening

Create A Wide Range of Designs with QUOLINE

QUOLINE works on specific, individual characteristics of different types of hair to help create supple, beautiful styles. The Active Balancing Function allows for a greater range of designs, from straight styles to curls.

Product Line Up

Straightening	●	●	●	●		●
Digital Perm			●	●	●	
Category	1st Agent					
Product Name	T 280	T-C 250	CA-T 200	CA-C 130	CA-T-C 100	T-C 80
						
Amount	400g	400g	400g	400g	400g	400g
pH	9.2	8.9	8.8	7.7	7.7	7.0
Alkaline Agent	Carbonate/ MEA	Carbonate/ Ammonia / MEA	Carbonate/ Ammonia	Arginine/ Ammonia	Arginine/ Ammonia	Arginine
Alkaline Amount	6.5 mL	3.5 mL	4 mL	1 mL	0.7 mL	0.7 mL
Reducing Agent	Thioglycolic Acid	Thioglycolic Acid/ L-Cysteine	Cysteamine/ Thioglycolic Acid	Cysteamine/ L-Cysteine	Cysteamine/ Thioglycolic Acid/ L-Cysteine	Thioglycolic Acid/ L-Cysteine
Hair Softening Agent						
Reducing Power	10.7%	10.7%	7%	7%	5%	5%
Hair Type Straightening	Mix of Twisted & Curly Hair 	Curly Hair 	Wavy Hair 	Delicate Hair 		
Hair Type Digital Perm			Regrowth ~ Damage level 2	Regrowth ~ Damage level 3	Damage level 3~4 (Digitally Permed Hair)	Damage level 3-4 (Straightened)

Category	2nd Agent	2nd Agent	2nd Agent
Product Name	OX	AFTER CREAM	AFTER LOTION
			
Amount	800g	800g	400mL
pH	3.0	6.0	6.0
Oxidizing Agent	Hydrogen Peroxide Solution	Bromate	Bromate
Setting Ingredient			

Types of Reducing Agent and Their Features

Thioglycolic Acid	Cysteamine	L-Cysteine
〈Curl Strength〉 ★★★ 〈Finish Texture〉 From supple to firm, stronger spring	〈Curl Strength〉 ★★★ 〈Finish Texture〉 Soft, bouncy curls	〈Curl Strength〉 ★★ 〈Finish Texture〉 Supple elasticity and spring
Works right through to inside the hair. Uses the heat of the iron to stretch out natural wave and support curl formation. Long-lasting.	Works on the cortex near the cuticle for highly effective curl formation. Suitable for perming delicate hair.	Works mainly on the hair surface for supple elasticity, spring, and body. Suitable for perming delicate hair.

HAIR PROTECT CREAM



400g

5.0

Protects hair from further damages when used before processing.
• Dithiodiglycolic acid helps soften the effects of reducing agents and softening agents
• The citric acid acts as a buffer to lower the pH and suppresses excessive swelling caused by alkaline solutions.

Citric Acid Na (pH control)
Dithiodiglycolic Acid
Diammonium (Protection)
Betaine (Protection)

※pH control

HEAT PROTECTION OIL



Hair Oil

70 mL

A heat -protecting oil containing the dual protective powers of Vitamin C derivatives and Erucalactone, which both easily adhere to hair surface with added heat. In the salon before a heat treatment, and for everyday care at home, this oil protects the hair for a beautifully supple finish.

Vitamin C Derivative *1 (Protects)/
Erucalactone *2 (Protects)
Macadamia Nut Oil (Moisturizes)/
Squalane (Moisturizes)

Formulation Chart

STRAIGHT

Hair History	—	No Previous Straightening		Previous Straightening		—
Damage Level	—	1	2	3	4	5
Type of Natural Curl/ History	Regrowth	Virgin Hair Friction • Heat With UV damage	Light Damage Alkaline Processing Once a Year	Medium Damage Alkaline Processing 6 Times a Year	Heavy Damage Alkaline Processing 12 Times a Year	Porous Damage Heavily Repeated Alkaline Processing
Mix of Twisted & Curly Hair	280 15 min	280:0 (5:1) 15 min	280:0 (3:1) 15 min	80 ※1 15 min	ADJUST 0 *2 80 ※1 15 min	ADJUST 0
Curly Hair	250 20 min	250 15 min	250:0 (5:1) 15 min	80 ※1 15 min	ADJUST 0 *2 80 ※1 15 min	ADJUST 0
Wavy Hair	200 25 min	200 20 min	200 15 min	80 15 min	ADJUST 0 *2 80 15 min	ADJUST 0
Delicate Hair (Aging Hair • Fine/ Baby Hair)	130 30 min	130 25 min	130 20 min	80 15 min	ADJUST 0 *2 80 15 min	ADJUST 0

*1 For stubborn curls, mix using formula for regrowth. Eg: For stubborn curls with Damage Level 3, use 80 and 250 with a 5:1 ratio. *2 Apply Adjust 0 beforehand for Damage Level 4.

For hair other than average hair, refer to chart above as a general guideline for formulations and processing times.

<Hair Thickness>
Thin Average Thick

<Hair Coarseness>
Soft Average Coarse

<Processing Time>
Short Long

<Formula Strength>
Weak Strong



DIGITAL PERM

Hair History	—	No Previous Straightening		Previous Straightening		—
Damage Level	—	1	2	3	4	5
Hair Quality/ History	Regrowth	Virgin Hair Friction • Heat With UV damage	Light Damage Alkaline Processing Once a Year	Medium Damage Alkaline Processing 6 Times a Year	Heavy Damage Alkaline Processing 12 Times a Year	Porous Damage Heavily Repeated Alkaline Processing
Average Hair	200 10~15 min	200:0 (10:1) 10~15 min	200:0 (5:1) 10~15 min	100 10~15 min	ADJUST 0 *2 100 10~15 min	ADJUST 0

*2 Apply Adjust 0 beforehand for Damage Level 4.

Curl Chart (20mm rods/ 10 minutes at 60°C)

Damage Level 1 (Virgin Hair)

CA-T 200	CA-T-C 100
	

Damage Level 3 (Medium Damage)

CA-T 200	CA-T-C 100
